State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: MADISON - KIPP	Local Grid Location of Well: _____ ft. ☐N ☐S _____ ft. ☐E ☐W	Well Name: MW-1
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. _____ Long. _____ or	Wis. Unique Well Number / DNR Well Number: [redacted]
Type of Well: Water Table Observation Well ☒ 11; Piezometer ☐ 12	St. Plane _____ ft. N, _____ ft. E.	Date Well Installed: 01/10/95 (m m d d y y)
Distance Well Is From Waste/Source Boundary: _____ ft.	Section Location of Waste/Source: NE 1/4 of SW 1/4 of Sec. 5, T. 7 N, R. 10 ☒E ☐W	Well Installed By: (Person's Name and Firm): PAUL / WTI ENVIRONMENTAL DRILLING
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft. MSL or 2.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☐ No

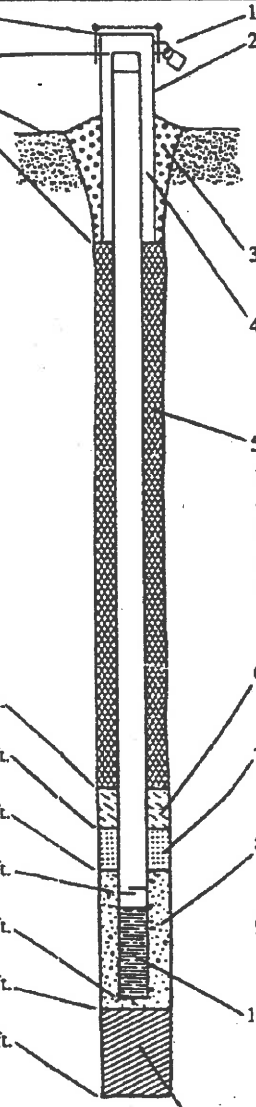
14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐ _____

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis): _____

E. Bentonite seal, top _____ ft. MSL or 2.0 ft.
F. Fine sand, top _____ ft. MSL or 10.0 ft.
G. Filter pack, top _____ ft. MSL or 12.0 ft.
H. Screen joint, top _____ ft. MSL or 14.0 ft.
I. Well bottom _____ ft. MSL or 24.0 ft.
J. Filter pack, bottom _____ ft. MSL or 25.0 ft.
K. Borehole, bottom _____ ft. MSL or 30.0 ft.
L. Borehole, diameter 8.3 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.05 in.



1. Cap and lock? ☐ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☐ 04; Other ☒ [redacted]
ALUMINUM - FLUSH MOUNT
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30; Concrete ☒ 01; Other ☒ [redacted]
CONCRETE 0-1, SAND 1-2
4. Material between well casing and protective pipe: Bentonite ☐ 30; Annular space seal ☐ [redacted]
SAND #30 Other ☒ [redacted]
5. Annular space seal: a. Granular Bentonite ☒ 33
b. _____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. _____ % Bentonite ..... Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite pellets ☐ 32
c. _____ Other ☐ [redacted]
7. Fine sand material: Manufacturer, product name & mesh size
a. #30 Red Flint [redacted]
b. Volume added 350 lbs ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. #70 BADGER MINING [redacted]
b. Volume added 50 lbs ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ [redacted]
10. Screen material: SCH 40 PVC [redacted]
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ [redacted]
b. Manufacturer TUSCO
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☐ 14; Other ☒ [redacted]
BENTONITE CHIPS

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Mark A McCulloch | Firm: DANES & MOORE, MADISON, WI

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch.144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

MK000666

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☒ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: Madison - Kipp Corp. Waubesa St
Facility License, Permit or Monitoring Number: _____

Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.
Grid Origin Location: Lat. _____ Long. _____ or
St. Plane _____ ft. N. _____ ft. E.
Section Location of Waste/Source: NE 1/4 of SW 1/4 of Sec. 5 T. 7 N. R. 10 ☒ E. ☐ W.
Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known

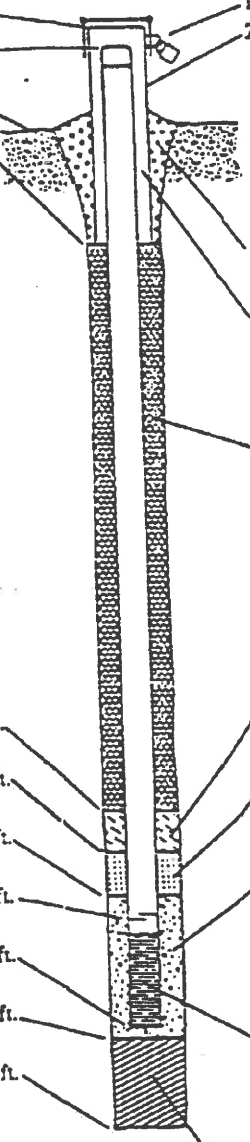
Well Name: MW-2A
Wis. Unique Well Number: _____ DNR Well Number: _____
Date Well Installed: 7/31/95 (m m / d d / y y)
Well Installed By: (Person's Name and Firm)
Badger State Drilling
Kevin McCumber

Type of Well: Water Table Observation Well ☒ 11
Piezometer ☐ 12
Distance Well Is From Waste/Source Boundary: _____ ft.
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft. MSL or 5.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐
13. Sieve analysis attached? ☐ Yes ☒ No
14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐ _____
15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99
16. Drilling additives used? ☐ Yes ☒ No
Describe _____
17. Source of water (attach analysis): _____

E. Bentonite seal, top _____ ft. MSL or 5.0 ft.
F. Fine sand, top _____ ft. MSL or 15.2 ft.
G. Filter pack, top _____ ft. MSL or 17.3 ft.
H. Screen joint, top _____ ft. MSL or 19.0 ft.
I. Well bottom _____ ft. MSL or 29.0 ft.
J. Filter pack, bottom _____ ft. MSL or 29.5 ft.
K. Borehole, bottom _____ ft. MSL or 29.5 ft.
L. Borehole, diameter 8.3 in.
M. O.D. well casing 2.3 in.
N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4. in
b. Length: 7.0 ft
c. Material: Steel ☒ 0
Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☒ 3
Concrete ☐ 0
Other ☐
4. Material between well casing and protective pipe:
Bentonite ☐ 3
Annular space seal ☐
Other ☐
5. Annular space seal: a. ~~Granular~~ Bentonite Chips ☒ 3
b. _____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 3
c. _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 3
d. _____ % Bentonite ..... Bentonite-cement grout ☐ 5
e. 400 lbs Ft³ volume added for any of the above
f. How installed: Tremie ☐
Tremie pumped ☐
Gravity ☒
6. Bentonite seal: a. Bentonite granules ☐
b. ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐
c. Bentonite Chips Other ☒
7. Fine sand material: Manufacturer, product name & mesh size
a. # 40-60 Red Flint Sand
b. Volume added 50 lbs ft³
8. Filter pack material: Manufacturer, product name and mesh size
a. # 30 Red Flint Sand
b. Volume added 350 lbs ft³
9. Well casing: Flush threaded PVC schedule 40 ☒
Flush threaded PVC schedule 80 ☐
Other ☐
10. Screen material: Sch 40 PVC
a. Screen type: Factory cut ☒
Continuous slot ☐
Other ☐
b. Manufacturer Detrich
c. Slot size: 0.01
d. Slotted length: 10.
11. Backfill material (below filter pack): None ☒
Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature: James D. Achick
Firm: Dames & Moore

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. S and ch. NR 141, Wis. Ad. Code. In accordance with ch.144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more t $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for ea day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

MK003595

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☒ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: Madison-Kipp Corp Waubesa St.
Facility License, Permit or Monitoring Number: _____

Local Grid Location of Well: _____ ft. ☐ N ☐ S _____ ft. ☐ E ☐ W
Grid Origin Location: Lat. ___ ___ ___ Long. ___ ___ ___ or
St. Plane _____ ft. N. _____ ft. E.

Well Name: MW-2
Wis. Unique Well Number: _____ DNR Well Number: _____

Type of Well: Water Table Observation Well ☒ 11
Piezometer ☐ 12

Date Well Installed: 7/31/95 (m m d d y y)

Distance Well Is From Waste/Source Boundary: _____ ft.

Section Location of Waste/Source: NE 1/4 of SW 1/4 of Sec. 5 T. 7 N, R. 10 ☒ E ☐ W

Well Installed By: (Person's Name and Firm)
Badger State Drilling
Kevin McCumber

Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No

Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft. MSL or 5.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis attached? ☐ Yes ☒ No

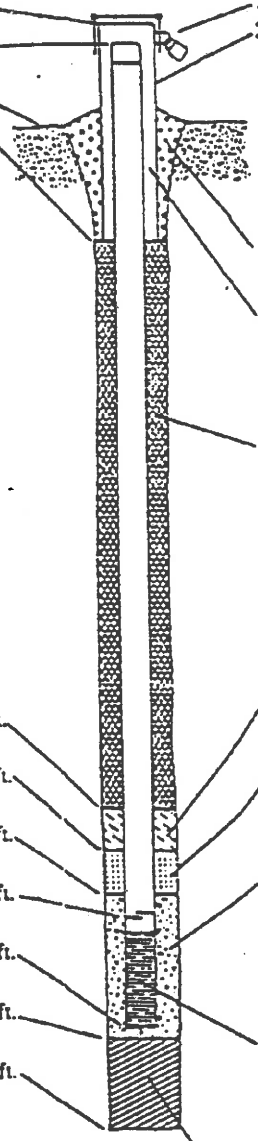
14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐
_____

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis):
_____

E. Bentonite seal, top _____ ft. MSL or 36.8 ft.
F. Fine sand, top _____ ft. MSL or 36.8 ft.
G. Filter pack, top _____ ft. MSL or 37.8 ft.
H. Screen joint, top _____ ft. MSL or 39.0 ft.
I. Well bottom _____ ft. MSL or 44.0 ft.
J. Filter pack, bottom _____ ft. MSL or 44.5 ft.
K. Borehole, bottom _____ ft. MSL or 44.5 ft.
L. Borehole, diameter 8.3 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4.2 in.
b. Length: 7.0 ft.
c. Material: Steel ☒ 04
1 Other ☐
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____
3. Surface seal: Bentonite ☒ 30
Concrete ☐ 01
_____ Other ☐
4. Material between well casing and protective pipe:
Bentonite ☐ 30
Annular space seal ☐
_____ Other ☐
5. Annular space seal: a. Granular Bentonite Chips ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 600 lbs ft³ volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☐ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32
c. Bentonite Chips Other ☒
7. Fine sand material: Manufacturer, product name & mesh size
a. #40-60 Red Flint Sand
b. Volume added 25 lbs ft³
8. Filter pack material: Manufacturer, product name and mesh size
a. #30 Red Flint Sand
b. Volume added 150 lbs ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
_____ Other ☐
10. Screen material: Sch 40 PVC
a. Screen type: Factory cut ☒ 11
Continuous slot ☐ 01
_____ Other ☐
b. Manufacturer _____
c. Slot size: 0.010 in
d. Slotted length: 5.0 ft
11. Backfill material (below filter pack): None ☒ 14
_____ Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: James D. Schiele Firm: Dames & Moore

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as requires by chs. 144, 147 and 160, Wis. Stats and ch. NR 141, Wis. Ad. Code. In accordance with ch.144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each

MK003593

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☒ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: Madison-Kipp Corp. Waubesa St
Facility License, Permit or Monitoring Number: _____

Local Grid Location of Well: _____ ft. ☐ N ☐ S _____ ft. ☐ E ☐ W
Grid Origin Location: Lat. _____ Long. _____ or
St. Plane _____ ft. N. _____ ft. E.
Section Location of Waste/Source: NE 1/4 of SW 1/4 of Sec. 5 T. 7 N. R. 10 ☒ E ☐ W.
Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known

Well Name: MW-3
Wis. Unique Well Number: _____ DNR Well Number: _____
Date Well Installed: 8/01/95 (m m d d y y)
Well Installed By: (Person's Name and Firm) Badger State Drilling
Kevin McCumber

Type of Well: Water Table Observation Well ☒ 11 Piezometer ☐ 12
Distance Well Is From Waste/Source Boundary: _____ ft.
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

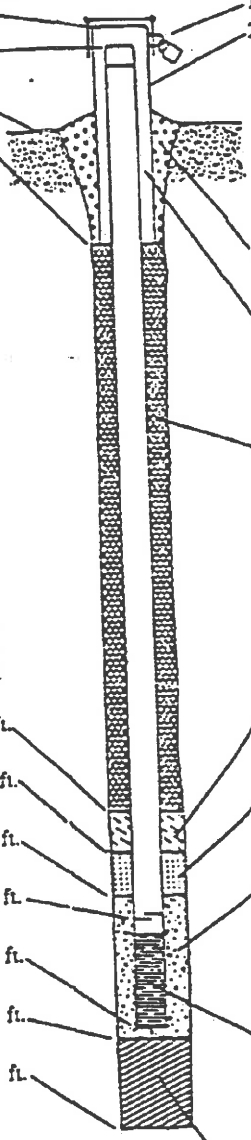
14. Drilling method used: Rotary ☐ 50 Hollow Stem Auger ☒ 41 Other ☐ ___

15. Drilling fluid used: Water ☐ 02 Air ☐ 01 Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☐ No
Describe _____

17. Source of water (attach analysis): _____

E. Bentonite seal, top _____ ft. MSL or 1.0 ft.
F. Fine sand, top _____ ft. MSL or 15.2 ft.
G. Filter pack, top _____ ft. MSL or 17.1 ft.
H. Screen joint, top _____ ft. MSL or 19.0 ft.
I. Well bottom _____ ft. MSL or 29.0 ft.
J. Filter pack, bottom _____ ft. MSL or 30.0 ft.
K. Borehole, bottom _____ ft. MSL or 30.0 ft.
L. Borehole, diameter 8.3 in.
M. O.D. well casing 2.3 in.
N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 10.0 in
b. Length: 1.0 ft
c. Material: Steel ☐ 0 Aluminum Other ☒ ___
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 3 Concrete ☒ 0 Other ☐ ___
4. Material between well casing and protective pipe: Bentonite ☐ 3 Annular space seal ☐ ___ #30 Red Flint Sand Other ☒ ___
5. Annular space seal: a. Granular Bentonite chips ☒ 3 b. ____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 3 c. ____ Lbs/gal mud weight ..... Bentonite slurry ☐ ___ d. ____ % Bentonite ..... Bentonite-cement grout ☐ ___ e. 300 lbs ft³ volume added for any of the above
f. How installed: Tremie ☐ Tremie pumped ☐ Gravity ☒
6. Bentonite seal: a. Bentonite granules ☐ b. ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ c. Bentonite Chips Other ☒
7. Fine sand material: Manufacturer, product name & mesh size
a. #40-60 Red Flint Sand
b. Volume added 50 lbs ft³
8. Filter pack material: Manufacturer, product name and mesh size
a. #30 Red Flint Sand
b. Volume added 300 lbs ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ Flush threaded PVC schedule 80 ☐ Other ☐ ___
10. Screen material: Sch 40 PVC
a. Screen type: Factory cut ☒ Continuous slot ☐ Other ☐ ___
b. Manufacturer Detroit
c. Slot size: 0.01
d. Slotted length: 10
11. Backfill material (below filter pack): None ☒ Other ☐ ___

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: James D. Achucki
Firm: Dames & Moore

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MK003597

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 4-90

Facility/Project Name: Madison Kipp

Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.

Well Name: MW-3D

Facility License, Permit or Monitoring Number: _____

Grid Origin Location
Lat. ___ ___ ___ Long. ___ ___ ___
St. Plane _____ ft. N, _____ ft. E.

Wis. Unique Well Number | DNR Well Number

Type of Well: Water Table Observation Well ☐ 11; Piezometer ■ 12

Date Well Installed: 07/28/99 (m m / d d / y y)

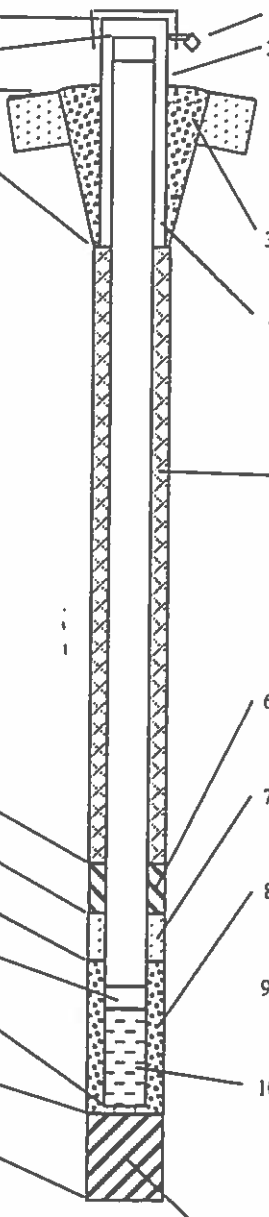
Distance Well Is From Waste/Source Boundary

Section Location of Waste/Source: NW 1/4 of SW 1/4 of Sec. 5, T. 7 N, R. 10 ■ E ☐ W

Well Installed By: (Person's Name and Firm)
Dave Cruise
Badger State Drilling

Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No

Location of Well Relative to Waste/Source
u ☐ Upgradient s ☐ Sidegradient
d ☐ Downgradient n ☐ Not Known



A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft MSL or 2.0 ft

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ■

13. Sieve analysis attached? ☐ Yes ■ No

14. Drilling method used: Rotary ☐ 5 0; Hollow Stem Auger ■ 4 1; Other ☐ _____

15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1; Drilling Mud ☐ 0 3 None ■ 9 9

16. Drilling additives used? ☐ Yes ■ No
Describe: _____

17. Source of water (attached analysis): _____

E. Bentonite seal, top _____ ft MSL or 41.0 ft
F. Fine sand, top _____ ft MSL or 45.0 ft
G. Filter pack, top _____ ft MSL or 46.9 ft
H. Screen joint, top _____ ft MSL or 48.8 ft
I. Well bottom _____ ft MSL or 53.8 ft
J. Filter pack, bottom _____ ft MSL or 53.8 ft
K. Borehole, bottom _____ ft MSL or 55.0 ft
L. Borehole, diameter 8.3 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.05 in.

1. Cap and lock? ■ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9.0 in.
b. Length: 1.0 ft.
c. Material: Flush mount — Steel ☐ 0 4; Other ■ [ ]
d. Additional protection? ☐ Yes ■ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 3 0; Concrete ■ 0 1; Other ☐ [ ]
4. Material between well casing and protective pipe: sand — Bentonite ☐ 3 0; Annular Space Seal ☐ [ ]; Other ■ [ ]
5. Annular space seal: a. Granular Bentonite ☐ 3 3
b. _____ Lbs/gal mud weight ..... Bentonite-sand slurry ☐ 3 5
c. _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 3 1
d. 20 % Bentonite ..... Bentonite-cement grout ■ 5 0
e. _____ Ft³ volume added for any of the above
f. How installed: Tremie ☐ 0 1; Tremie pumped ■ 0 2; Gravity ☐ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ■ 3/8 in. ☐ 1/2 in. Bentonite pellets ■ 3 2
c. _____ Other ☐ [ ]
7. Fine sand material: Manufacturer, product name & mesh size
a. Ohio 40/60 [ ]
b. Volume added 20 lbs
8. Filter pack material: Manufacturer, product name & mesh size
a. Ohio 10/20 [ ]
b. Volume added _____ lbs
9. Well casing: Flush threaded PVC schedule 40 ■ 2 3; Flush threaded PVC schedule 80 ☐ 2 4; Other ☐ [ ]
10. Screen material: PVC sched. 40 [ ]
a. Screen type: Factory cut ■ 1 1; Continuous slot ☐ 0 1; Other ☐ [ ]
b. Manufacturer _____
c. Slot size 0.010 in.
d. Slotted length: 5.0 ft.
11. Backfill material (below filler pack): None ☐ 1 4; Other ☐ [ ]

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Robert J. Janta | Firm: Dames & Moore

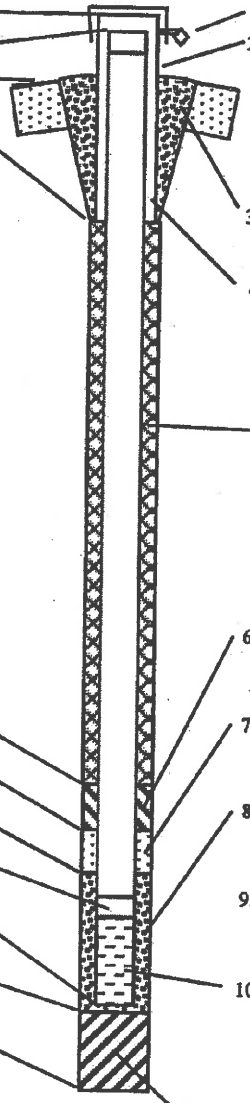
Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: shaded areas are for DNR use only. See instruction for more information including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name Madison Kipp	**Local Grid Location of Well** _____ ft. ☐ N. _____ ft. ☐ E. ☐ S. ☐ W.	**Well Name** MW-3D2
Facility License, Permit or Monitoring Number _ _ _ _ _ _ _	**Grid Origin Location** Lat. _ _ _ _ _ Long. _ _ _ _ _ St. Plane _____ ft. N, _____ ft. E.	**Wis. Unique Well Number** / **DNR Well Number** Date Well Installed 0 4 / 0 2 / 0 1 m m d d y y
Type of Well Water Table Observation Well ☐ 11 Piezometer ■ 12		
Distance Well Is From Waste/Source Boundary	**Section Location of Waste/Source** ■ E NW 1/4 of SW 1/4 of Sec. 5, T. 7 N, R 10 ☐ W	**Well Installed By: (Person's Name and Firm)** Kevin McCumber Badger State Drilling
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No	**Location of Well Relative to Waste/Source** u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	



A. Protective pipe, top elevation _____.__ ft. MSL
B. Well casing, top elevation _____.__ ft. MSL
C. Land surface elevation _____.__ ft. MSL
D. Surface seal, bottom _____.__ ft MSL or 1 0 ft

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ■

13. Sieve analysis attached? ☐ Yes ■ No

14. Drilling method used: Rotary ■ 5 0
Hollow Stem Auger ■ 4 1
_____ Other ☐

15. Drilling fluid used: Water ☐ 0 2 Air ■ 0 1
Drilling Mud ☐ 0 3 None ☐ 9 9

16. Drilling additives used? ☐ Yes ■ No
Describe: _____

17. Source of water (attached analysis):
_____

E. Bentonite seal, top _____.__ ft MSL or 2 3 . 0 ft
F. Fine sand, top _____.__ ft MSL or 7 1 . 0 ft
G. Filter pack, top _____.__ ft MSL or 7 3 . 0 ft
H. Screen joint, top _____.__ ft MSL or 7 6 . 0 ft
I. Well bottom _____.__ ft MSL or 8 1 . 0 ft
J. Filter pack, bottom _____.__ ft MSL or 8 1 . 0 ft
K. Borehole, bottom _____.__ ft MSL or 8 2 . 0 ft
L. Borehole, diameter 1 0 . 0 in.
M. O.D. well casing 2 . 3 8 in.
N. I.D. well casing 2 . 0 5 in.

1. Cap and lock? ■ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9 . 0 in.
b. Length: 1 . 0 ft.
c. Material: Flush mount Steel ■ 0 4 Other ☐
d. Additional protection? ☐ Yes ■ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 3 0 Concrete ■ 0 1 _____ Other ☐
4. Material between well casing and protective pipe: Bentonite ☐ 3 0 Annular Space Seal ☐ Bentonite/sand mix Other ■
5. Annular space seal: a. Granular Bentonite ☐ 3 3
b. _____ Lbs/gal mud weight ..... Bentonite-sand slurry ☐ 3 5
c. 100 Lbs/gal mud weight ..... Bentonite slurry ■ 3 1
d. _____ % Bentonite ..... Bentonite-cement grout ☐ 5 0
e. _____ Ft³ volume added for any of the above
f. How installed: Tremie ☐ 0 1 Tremie pumped ■ 0 2 Gravity ☐ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ■ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 3 2
c. PDS CO, Eldorado, Arkansas (700 lbs) Other ■
7. Fine sand material: Manufacturer, product name & mesh size
a. Ohio 40/60
b. Volume added 50 lbs
8. Filter pack material: Manufacturer, product name & mesh size
a. Ohio #5
b. Volume added 150 lbs
9. Well casing: Flush threaded PVC schedule 40 ■ 2 3 Flush threaded PVC schedule 80 ☐ 2 4 _____ Other ☐
10. Screen material: PVC sched. 40
a. Screen type: Factory cut ■ 1 1 Continuous slot ☐ 0 1 _____ Other ☐
b. Manufacturer _____
c. Slot size 0.0 1 0 in.
d. Slotted length: 5 . 0 ft.
11. Backfill material (below filler pack): None ☐ 1 4
sandstone sluff Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Robert J. Tauta Firm URS Corporation

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: shaded areas are for DNR use only. See instruction for more information including where the completed form should be sent.

MK000495

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A 7/98

Facility/Project Name: Madison-Kipp	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW3D3
Facility License, Permit or Monitoring Number:	Local Grid Origin: Lat. ____ Long ____ or	Wis. Unique Well Number: / DNR Well Number:
Facility ID: 113125320	St. Plane ____ ft. N, ____ ft. E	Date Well Installed: 07/13/2012
Type of Well: Well Code ____/____	Section Location of Waste/Source: NW 1/4 of SW 1/4 of Sec. 5 T. 7 N,R 10 ☒ E. ☐ W.	Well Installed by: Name (first, last) and Firm: Todd Schmalfeldt, Boart Longyear
Distance from Waste/Source ____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: ☐ Upgradinet ☐ Sidegradient ☐ Downgradient ☒ Not Known	

A. Protective pipe, top elevation 867.61 ft. MSL
B. Well casing, top elevation 867.35 ft. MSL
C. Land surface elevation 867.61 ft. MSL
D. Surface seal, bottom 866.61 ft MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☒ 50; Hollow Stem Auger ☐ 41; ____ Other ☐ __

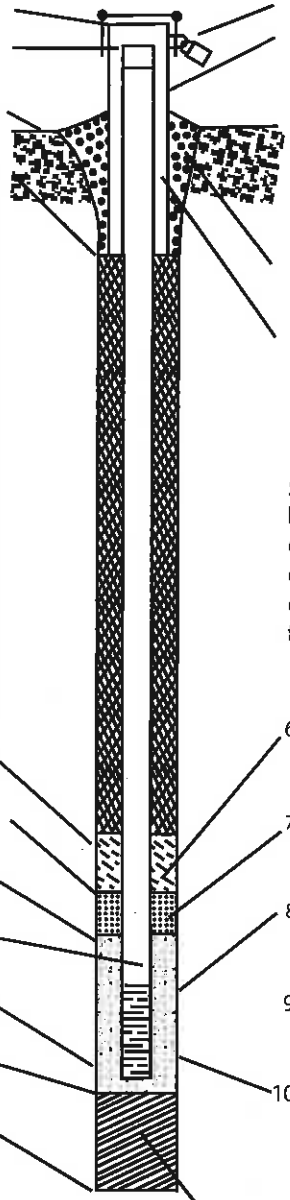
15. Drilling fluid used: Water ☐ 02 Air ☐ 01; Drilling Mud ☒ 03 None ☐ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

17. Source of Water (attached analysis if required):
City of Madison

E. Bentonite seal, top 677.61 ft. MSL or 190 ft.
F. Fine sand, top 662.61 ft. MSL or 205 ft.
G. Filter pack, top 660.61 ft. MSL or 207 ft.
H. Screen joint, top 653.61 ft. MSL or 214 ft.
I. Well bottom 643.61 ft. MSL or 224 ft.
J. Filter pack, bottom 641.61 ft. MSL or 226 ft.
K. Borehole bottom 630.61 ft. MSL or 237 ft.
L. Borehole diameter 6.0 in.
M. O.D. well casing 2.375 in.
N. I.D. well casing 1.939 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04; ____ Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☐ 30; Concrete ☒ 01; ____ Other ☐ __
4. Material between well casing and protective pipe: Bentonite ☒ 30; Annular space seal ☐ __; ____ Other ☐ __
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. ____ Lbs/gal mud weight.....Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight.....Bentonite-slurry ☐ 31
d. 5 % Bentonite.....Bentonite-cement grout ☒ 50
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☒ 02; Gravity ☐ 08
6. Bentonite seal: a. Granular Bentonite ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. bentonite pellets ☒ 32
c. ____ Other ☐ __
7. Fine sand Material: Manufacturer, product name and mesh size
a. Filter Sil Industrial Quartz Sand
b. Volume added 25 lbs
8. Filter pack material: Manufacturer, product name and mesh size
a. Red Flint #40
b. Volume added 150 lbs
9. Well casing: Flush threaded PVC schedule 40 ☐ 23; Flush threaded PVC schedule 80 ☒ 24; ____ Other ☐ __
10. Screen material: Stainless Steel
a. Screen type: Factory cut ☐ 11; Continuous slot ☒ 01; ____ Other ☐ __
b. Manufacturer Johnson
c. Slot size: .010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☐ 14; High Solids Grout Other ☒ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: ____ Firm: ARCADIS, 126 N. Jefferson Street, Milwaukee, WI (414) 276-7742

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 293, 295, and 299, Wis. Stats, and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

madison-kipp/WI001283/graphics/logs/mw3d3.const.ai

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ ________

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev.

Facility/Project Name: Madison Kipp Corp	Local Grid Location of Well: ______ ft. ☐ N ☐ S ______ ft. ☐ E ☐ W	Well Name: MW-4A
Facility License, Permit or Monitoring Number: ______	Grid Origin Location: Lat. ______ Long. ______ or	Wis. Unique Well Number ______ DNR Well Number ______
Type of Well: Water Table Observation Well ☒ 11; Piezometer ☐ 12	St. Plane ______ ft. N. ______ ft. E.	Date Well Installed: 06/05/96 (m m / d d / y y)
Distance Well Is From Waste/Source Boundary ______ ft.	Section Location of Waste/Source: ___ 1/4 of ___ 1/4 of Sec. ___, T. ___ N, R. ___ ☐ E ☐ W	Well Installed By: (Person's Name and Firm) Kevin McCa[illegible]
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No	Location of Well Relative to Waste/Source: u ☐ Upgradient; s ☐ Sidegradient; d ☐ Downgradient; n ☐ Not Known	Badger State Drilling

A. Protective pipe, top elevation _______ ft. MSL

B. Well casing, top elevation _______ ft. MSL

C. Land surface elevation _______ ft. MSL

D. Surface seal, bottom _______ ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐ ______

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe ______

17. Source of water (attach analysis): ______

E. Bentonite seal, top ______ ft. MSL or 1.0 ft.

F. Fine sand, top ______ ft. MSL or 32.0 ft.

G. Filter pack, top ______ ft. MSL or 34.0 ft.

H. Screen joint, top ______ ft. MSL or 35.0 ft.

I. Well bottom ______ ft. MSL or 50.0 ft.

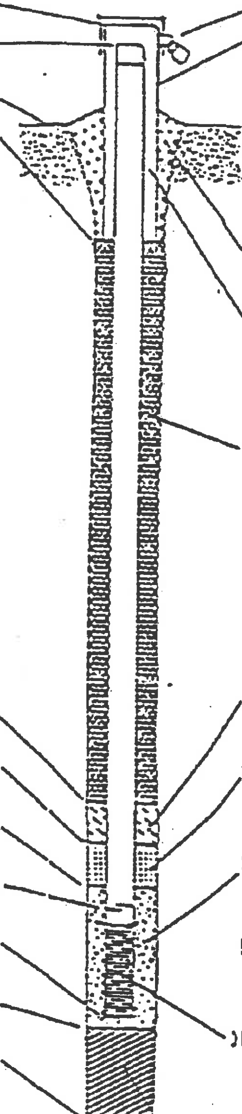
J. Filter pack, bottom ______ ft. MSL or 51.0 ft.

K. Borehole, bottom ______ ft. MSL or 51.0 ft.

L. Borehole, diameter 8.0 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.36 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 9.[illegible]
b. Length: 1.[illegible]
c. Material: Steel ☒; Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ______

3. Surface seal: Bentonite ☐; Concrete ☒; Other ☐

4. Material between well casing and protective pipe: Bentonite ☒; Annular space seal ☐; Other ☐

5. Annular space seal: a. Granular Bentonite ☒
b. ____ Lbs/gal mud weight ... Bentonite-sand slurry ☐
c. ____ Lbs/gal mud weight ..... Bentonite slurry ☐
d. ____ % Bentonite ..... Bentonite-cement grout ☐
e. 750 lbs. Ft³ volume added for any of the above
f. How installed: Tremie ☐; Tremie pumped ☐; Gravity ☒

6. Bentonite seal: a. Bentonite granules ☐
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐
c. ______ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. Badger Mining
b. Volume added 50 lbs ft³

8. Filter pack material: Manufacturer, product name and mesh size
a. Red Flint #30
b. Volume added 550 lbs ft³

9. Well casing: Flush threaded PVC schedule 40 ☐; Flush threaded PVC schedule 80 ☐; Other ☐

10. Screen material: Sch 40 PVC
a. Screen type: Factory cut ☒; Continuous slot ☐; Other ☐
b. Manufacturer: Buffalo Well Products
c. Slot size: 0.01[illegible]
d. Slotted length: 15.[illegible]

11. Backfill material (below filter pack): None ☒; Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [signature] | Firm: Daniel B. Moore

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information ...

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 2

Facility/Project Name: Madison Kipp Corp

Local Grid Location of Well: _____ ft. ☐N ☐S _____ ft. ☐E ☐W

Well Name: MW-4

Facility License, Permit or Monitoring Number: _____

Grid Origin Location: Lat. ___ ___ ___ Long. ___ ___ ___

Wis. Unique Well Number: _____ DNR Well Num.: _____

Type of Well: Water Table Observation Well ☐ 11
Piezometer ☒ 12

St. Plane _____ ft. N. _____ ft. E.

Date Well Installed: 06/26/96 (m m / d d / y y)

Distance Well Is From Waste/Source Boundary: _____ ft.

Section Location of Waste/Source: ___ 1/4 of ___ 1/4 of Sec. ___ T. ___ N. R. ___ ☐E ☐W

Well Installed By: (Person's Name and Firm)
Kevin
Badger State Drilling

Is Well A Point of Enforcement Std. Application?
☐ Yes ☐ No

Location of Well Relative to Waste/Source:
u ☐ Upgradient s ☐ Sidegradient
d ☐ Downgradient n ☐ Not Known

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 43
Other ☐ ___
_____

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 05 None ☒ 99

16. Drilling additives used? ☐ Yes ☐ No
Describe _____

17. Source of water (attach analysis):
_____

E. Bentonite seal, top _____ ft. MSL or 10 ft.
F. Fine sand, top _____ ft. MSL or 61.0 ft.
G. Filter pack, top _____ ft. MSL or 63.0 ft.
H. Screen joint, top _____ ft. MSL or 65.0 ft.
I. Well bottom _____ ft. MSL or 70.0 ft.
J. Filter pack, bottom _____ ft. MSL or 71.0 ft.
K. Borehole, bottom _____ ft. MSL or 71.0 ft.
L. Borehole, diameter ____ in.
M. O.D. well casing ____ in.
N. I.D. well casing ____ in.

1. Cap and lock? ☐ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9.0
b. Length: 4.0
c. Material: Steel ☒ Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ Concrete ☒ Other ☐
4. Material between well casing and protective pipe: Bentonite ☒ Annular space seal ☐ Other ☐
5. Annular space seal: a. Granular Bentonite ☐
b. 12 Lbs/gal mud weight ... Bentonite-sand slurry ☒
c. _____ Lbs/gal mud weight ..... Bentonite slurry ☐
d. _____ % Bentonite ..... Bentonite-cement grout ☐
e. _____ Ft³ volume added for any of the above
f. How installed: Tremie ☐ Tremie pumped ☒ Gravity ☐
6. Bentonite seal: a. Bentonite granules ☐
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite pellets ☐
c. _____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. Badger Mining
b. Volume added 50 lbs ft³
8. Filter pack material: Manufacturer, product name and mesh size
a. Red Flint #30
b. Volume added 175 lbs ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ Flush threaded PVC schedule 80 ☐ Other ☐
10. Screen material: PVC Sch 40
a. Screen type: Factory cut ☒ Continuous slot ☐ Other ☐
b. Manufacturer: Hydro well Products
c. Slot size: 0.010
d. Slotted length: 5.0
11. Backfill material (below filter pack): None ☒ Other ☐
_____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Kevin Hadbert Firm: Dames & Moore

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats. and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only.

MK000823

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: Madison Kipp

Local Grid Location of Well: _____ ft. ☐ N. _____ ft. ☐ E. ☐ S. ☐ W.

Well Name: MW-4D2

Facility License, Permit or Monitoring Number: _____

Grid Origin Location: Lat. _____ Long. _____ St. Plane _____ ft. N, _____ ft. E.

Wis. Unique Well Number: _____ DNR Well Number: _____

Type of Well: Water Table Observation Well ☐ 11; Piezometer ■ 12

Date Well Installed: 07/28/99 (m m d d y y)

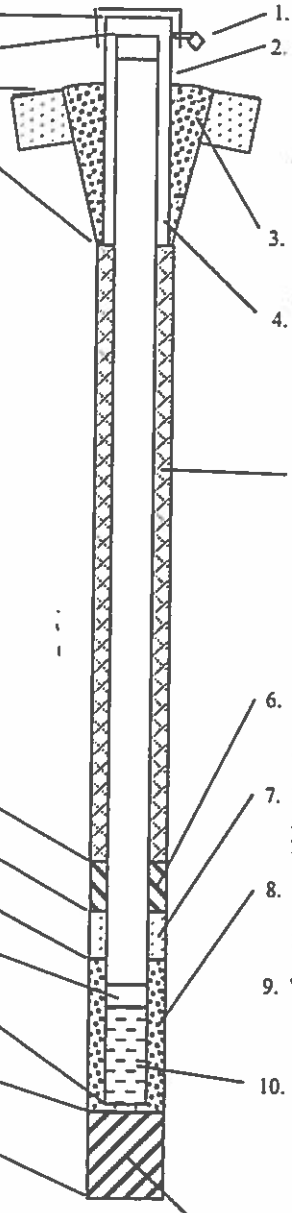
Distance Well Is From Waste/Source Boundary: _____

Section Location of Waste/Source: NW 1/4 of SW 1/4 of Sec. 5, T. 7 N, R. 10 ■ E ☐ W

Well Installed By: (Person's Name and Firm)
Dave Cruise
Badger State Drilling

Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No

Location of Well Relative to Waste/Source: u ☐ Upgradient; d ☐ Downgradient; s ☐ Sidegradient; n ☐ Not Known



A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft MSL or 6.0 ft

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ■

13. Sieve analysis attached? ☐ Yes ■ No

14. Drilling method used: Rotary ■ 50; Hollow Stem Auger ■ 41; Other ☐ ____

15. Drilling fluid used: Water ☐ 02; Air ■ 01; Drilling Mud ☐ 03; None ☐ 99

16. Drilling additives used? ☐ Yes ■ No
Describe: _____

17. Source of water (attached analysis): _____

E. Bentonite seal, top _____ ft MSL or 80.5 ft
F. Fine sand, top _____ ft MSL or 86.5 ft
G. Filter pack, top _____ ft MSL or 89.5 ft
H. Screen joint, top _____ ft MSL or 91.5 ft
I. Well bottom _____ ft MSL or 96.5 ft
J. Filter pack, bottom _____ ft MSL or 98.0 ft
K. Borehole, bottom _____ ft MSL or 98.0 ft
L. Borehole, diameter 8.3 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.05 in.

1. Cap and lock? ■ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9.0 in.
b. Length: 1.0 ft.
c. Material: Flush mount — Steel ☐ 04; Other ■ ____
d. Additional protection? ☐ Yes ■ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30; Concrete ■ 01; Other ☐ ____
4. Material between well casing and protective pipe: sand — Bentonite ☐ 30; Annular Space Seal ☐ ____; Other ■ ____
5. Annular space seal: a. Granular Bentonite ☐ 33; b. ____ Lbs/gal mud weight ..... Bentonite-sand slurry ☐ 35; c. ____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31; d. 20 % Bentonite ..... Bentonite-cement grout ■ 50; e. ____ Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ■ 02; Gravity ☐ 08
6. Bentonite seal: a. Bentonite granules ☐ 33; b. ☐ 1/4 in. ■ 3/8 in. ☐ 1/2 in. Bentonite pellets ■ 32; c. _____ Other ☐ ____
7. Fine sand material: Manufacturer, product name & mesh size
a. Ohio 40/60
b. Volume added 20 lbs
8. Filter pack material: Manufacturer, product name & mesh size
a. Ohio 10/20
b. Volume added _____ lbs
9. Well casing: Flush threaded PVC schedule 40 ■ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ ____
10. Screen material: PVC sched. 40
a. Screen type: Factory cut ■ 11; Continuous slot ☐ 01; Other ☐ ____
b. Manufacturer _____
c. Slot size 0.010 in.
d. Slotted length: 5.0 ft.
11. Backfill material (below filler pack): None ☐ 14; Other ☐ ____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Robert J. Zauta | Firm: Dames & Moore

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: shaded areas are for DNR use only. See instruction for more information including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name
Madison Kipp

Local Grid Location of Well
_____ ft. ☐ N. _____ ft. ☐ E.
☐ S. ☐ W.

Well Name
MW-5S

Facility License, Permit or Monitoring Number
_____

Grid Origin Location
Lat. ____ ____ ____ Long. ____ ____ ____
St. Plane _____ ft. N, _____ ft. E.

Wis. Unique Well Number | **DNR Well Number**

Type of Well Water Table Observation Well ☐ 11
Piezometer ■ 12

Date Well Installed
0 4 / 0 4 / 0 1
m m d d y y

Distance Well Is From Waste/Source Boundary

Section Location of Waste/Source ■ E
NW 1/4 of SW 1/4 of Sec. 5, T. 7 N, R 10 ☐ W

Well Installed By: (Person's Name and Firm)
Kevin McCumber
Badger State Drilling

Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No

Location of Well Relative to Waste/Source
u ☐ Upgradient s ☐ Sidegradient
d ☐ Downgradient n ☐ Not Known

A. Protective pipe, top elevation _____.___ ft. MSL
B. Well casing, top elevation _____.___ ft. MSL
C. Land surface elevation _____.__ ft. MSL
D. Surface seal, bottom _____.__ ft MSL or 1 0 ft

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ■

13. Sieve analysis attached? ☐ Yes ■ No

14. Drilling method used: Rotary ■ 5 0
Hollow Stem Auger ■ 4 1
_____ Other ☐

15. Drilling fluid used: Water ☐ 0 2 Air ■ 0 1
Drilling Mud ☐ 0 3 None ☐ 9 9

16. Drilling additives used? ☐ Yes ■ No
Describe: _____

17. Source of water (attached analysis):
_____

E. Bentonite seal, top _____.__ ft MSL or 1 5 ft
F. Fine sand, top _____.__ ft MSL or 3 0 0 ft
G. Filter pack, top _____.__ ft MSL or 3 2 0 ft
H. Screen joint, top _____.__ ft MSL or 3 4 0 ft
I. Well bottom _____.__ ft MSL or 4 4 0 ft
J. Filter pack, bottom _____.__ ft MSL or 4 4 0 ft
K. Borehole, bottom _____.__ ft MSL or 4 4 0 ft
L. Borehole, diameter 8 0 in.
M. O.D. well casing 2 3 8 in.
N. I.D. well casing 2 0 5 in.

1. Cap and lock? ■ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 0 in.
b. Length: 1 5 ft.
c. Material: Flush mount Steel ■ 0 4 Other ☐
d. Additional protection? ☐ Yes ■ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 3 0 Concrete ■ 0 1 Other ☐
4. Material between well casing and protective pipe: Bentonite ■ 3 0 Annular Space Seal ☐ Other ☐
5. Annular space seal: a. Granular Bentonite ■ 3 3
b. ____ Lbs/gal mud weight ..... Bentonite-sand slurry ☐ 3 5
c. ____ Lbs/gal mud weight ..... Bentonite slurry ☐ 3 1
d. ____ % Bentonite ..... Bentonite-cement grout ☐ 5 0
e. _____ Ft³ volume added for any of the above
f. How installed: Tremie ☐ 0 1 Tremie pumped ☐ 0 2 Gravity ☐ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ■ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 3 2
c. PDSCO, Eldorado, Arkansas (650 lbs) Other ■
7. Fine sand material: Manufacturer, product name & mesh size
a. Ohio 40/60
b. Volume added 50 lbs
8. Filter pack material: Manufacturer, product name & mesh size
a. Ohio #5
b. Volume added 300 lbs
9. Well casing: Flush threaded PVC schedule 40 ■ 2 3 Flush threaded PVC schedule 80 ☐ 2 4 Other ☐
10. Screen material: PVC sched. 40
a. Screen type: Factory cut ■ 1 1 Continuous slot ☐ 0 1 Other ☐
b. Manufacturer Monoflex
c. Slot size 0.0 1 0 in.
d. Slotted length: 1 0.0 ft.
11. Backfill material (below filler pack): None ■ 1 4 Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm URS Corporation

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MK000500

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name
Madison Kipp

Facility License, Permit or Monitoring Number
_____

Type of Well Water Table Observation Well ☐ 11
Piezometer ■ 12

Distance Well Is From Waste/Source Boundary
_____

Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No

Local Grid Location of Well
_____ ft. ☐ N. _____ ft. ☐ E.
☐ S. ☐ W.

Grid Origin Location
Lat. ____ ____ ____ Long. ____ ____ ____
St. Plane _____ ft. N, _____ ft. E.

Section Location of Waste/Source ■ E ☐ W
NW 1/4 of SW 1/4 of Sec. 5, T. 7 N, R 10

Location of Well Relative to Waste/Source
u ☐ Upgradient s ☐ Sidegradient
d ☐ Downgradient n ☐ Not Known

Well Name
MW-5D

Wis. Unique Well Number _____ **DNR Well Number** _____

Date Well Installed
0 4 / 0 3 / 0 1
m m d d y y

Well Installed By: (Person's Name and Firm)
Kevin McCumber
Badger State Drilling

A. Protective pipe, top elevation _____.__ ft. MSL
B. Well casing, top elevation _____.__ ft. MSL
C. Land surface elevation _____.__ ft. MSL
D. Surface seal, bottom _____.__ ft MSL or 1 0 ft

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ■

13. Sieve analysis attached? ☐ Yes ■ No

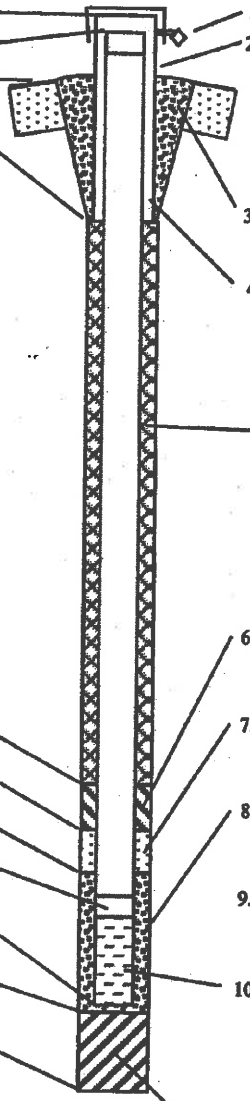
14. Drilling method used: Rotary ■ 5 0
Hollow Stem Auger ■ 4 1
_____ Other ☐ ____

15. Drilling fluid used: Water ☐ 0 2 Air ■ 0 1
Drilling Mud ☐ 0 3 None ☐ 9 9

16. Drilling additives used? ☐ Yes ■ No
Describe: _____

17. Source of water (attached analysis):
_____

E. Bentonite seal, top _____.__ ft MSL or 5 7 0 ft
F. Fine sand, top _____.__ ft MSL or 7 1 0 ft
G. Filter pack, top _____.__ ft MSL or 7 3 0 ft
H. Screen joint, top _____.__ ft MSL or 7 5 0 ft
I. Well bottom _____.__ ft MSL or 8 0 0 ft
J. Filter pack, bottom _____.__ ft MSL or 8 0 0 ft
K. Borehole, bottom _____.__ ft MSL or 8 2 0 ft
L. Borehole, diameter 1 0 0 in.
M. O.D. well casing 2 3 8 in.
N. I.D. well casing 2 0 5 in.



1. Cap and lock? ■ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 0 in.
b. Length: 1 5 ft.
c. Material: Flush mount Steel ■ 0 4 Other ☐ ____
d. Additional protection? ☐ Yes ■ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 3 0 Concrete ■ 0 1 _____ Other ☐ ____
4. Material between well casing and protective pipe: Bentonite ■ 3 0
50 lbs fine sand, 500 lbs bentonite chips Annular Space Seal ☐ ____ Other ☐ ____
5. Annular space seal: a. Granular Bentonite ☐ 3 3
b. _____ Lbs/gal mud weight ..... Bentonite-sand slurry ☐ 3 5
c. _____ Lbs/gal mud weight ..... Bentonite slurry ■ 3 1
d. _____ % Bentonite ..... Bentonite-cement grout ☐ 5 0
e. _____ Ft³ volume added for any of the above
f. How installed: Tremie ☐ 0 1
150 lbs bentonite, 140 gals water Tremie pumped ☐ 0 2
Gravity ☐ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ■ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 3 2
c. PDSCO, Eldorado, Arkansas (650 lbs) Other ■ ____
7. Fine sand material: Manufacturer, product name & mesh size
a. Ohio 40/60 ____
b. Volume added 150 lbs
8. Filter pack material: Manufacturer, product name & mesh size
a. Ohio #5 ____
b. Volume added 150 lbs
9. Well casing: Flush threaded PVC schedule 40 ■ 2 3
Flush threaded PVC schedule 80 ☐ 2 4
_____ Other ☐ ____
10. Screen material: PVC sched. 40 ____
a. Screen type: Factory cut ☐ 1 1
Continuous slot ■ 0 1
_____ Other ☐ ____
b. Manufacturer Monoflex
c. Slot size 0.0 1 0 in.
d. Slotted length: 5 0 ft.
11. Backfill material (below filler pack): None ☐ 1 4
sluff Other ■ ____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ **Firm** URS Corporation

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MK000492

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: Madison Kipp	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: MW-5D2
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. ____ ____ ____ Long. ____ ____ ____ St. Plane _____ ft. N, _____ ft. E.	Wis. Unique Well Number: P T 0 7 7 8 DNR Well Number:
Type of Well: Water Table Observation Well ☐ 11; Piezometer ■ 12		Date Well Installed: 0 2 / 1 1 / 0 3 (m m d d y y)
Distance Well Is From Waste/Source Boundary	Section Location of Waste/Source: NW 1/4 of SW 1/4 of Sec. 5, T. 7 N, R. 10 ■E ☐W	Well Installed By: (Person's Name and Firm): Jim Rich; Badger State Drilling
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient; d ☐ Downgradient n ☐ Not Known	

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft MSL or 3.0 ft

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ■

13. Sieve analysis attached? ☐ Yes ■ No

14. Drilling method used: Rotary ■ 5 0; Hollow Stem Auger ■ 4 1; HSA to 40; Air to 110; Mud to 171.3; Other ☐
15. Drilling fluid used: Water ☐ 0 2; Air ■ 0 1; Drilling Mud ■ 0 3; None ☐ 9 9
16. Drilling additives used? ■ Yes ☐ No
Describe: Gold Seal Aqua Gel Bentonite
17. Source of water (attached analysis):
City of Stoughton Municipal Water Supply

E. Bentonite seal, top _____ ft MSL or 153.2 ft
F. Fine sand, top _____ ft MSL or 158.4 ft
G. Filter pack, top _____ ft MSL or 160.5 ft
H. Screen joint, top _____ ft MSL or 165.8 ft
I. Well bottom _____ ft MSL or 170.8 ft
J. Filter pack, bottom _____ ft MSL or 171.3 ft
K. Borehole, bottom _____ ft MSL or 171.3 ft
L. Borehole, diameter 4.0 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 1.94 in.

1. Cap and lock? ■ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9.0 in.
b. Length: 1.0 ft.
c. Material: Flush mount; Steel ■ 0 4; Other ☐
d. Additional protection? ☐ Yes ■ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 3 0; Concrete ■ 0 1; Other ☐
4. Material between well casing and protective pipe: Bentonite ☐ 3 0; Annular Space Seal ☐; Sand-Ohio #5; Other ■
5. Annular space seal: a. Granular Bentonite ■ 3 3
b. _____ Lbs/gal mud weight ..... Bentonite-sand slurry ☐ 3 5
c. _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 3 1
d. _____ % Bentonite ..... Bentonite-cement grout ■ 5 0
e. See below ____ Ft³ volume added for any of the above
f. How installed: Tremie ☐ 0 1; 12 bags Portland Cement/2 bags Tremie pumped ■ 0 2; Aquagel grout mix/240 gals water and 150 lbs. bentonite Gravity ■ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ■ 3/8 in. ☐ 1/2 in. Bentonite pellets ■ 3 2
c. Black Hill Bentonite 100 lbs. Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. Ohio 40/60
b. Volume added 40 lbs
8. Filter pack material: Manufacturer, product name & mesh size
a. Ohio #5
b. Volume added 125 lbs
9. Well casing: Flush threaded PVC schedule 40 ☐ 2 3; Flush threaded PVC schedule 80 ■ 2 4; Other ☐
10. Screen material: Sch. 80 PVC
a. Screen type: Factory cut ■ 1 1; Continuous slot ☐ 0 1; Other ☐
b. Manufacturer Diedrich
c. Slot size 0.010 in.
d. Slotted length: 05.0 ft.
11. Backfill material (below filler pack): None ■ 1 4; Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm URS Corporation

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MK001349

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A 7/98

Facility/Project Name: Madison-Kipp	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: MW5D3
Facility License, Permit or Monitoring Number	Local Grid Origin: Lat. _____ Long _____ or St. Plane _____ ft. N, _____ ft. E	Wis. Unique Well Number / DNR Well Number
Facility ID: 113125320	Section Location of Waste/Source: NW 1/4 of SW 1/4 of Sec. 5 T. 7 N,R 10 ☒ E. ☐ W.	Date Well Installed: 07/12/2012
Type of Well: Well Code ____/____	Location of Well Relative to Waste/Source: ☐ Upgradinet ☐ Sidegradient ☐ Downgradient ☒ Not Known	Well Installed by: Name (first, last) and Firm: Todd Schmalfeldt, Boart Longyear
Distance from Waste/Source _____ ft.	Enf. Stds. Apply ☐	

A. Protective pipe, top elevation 872.34 ft. MSL
B. Well casing, top elevation 871.89 ft. MSL
C. Land surface elevation 872.34 ft. MSL
D. Surface seal, bottom 871.34 ft MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☒ 50; Hollow Stem Auger ☐ 41; _____ Other ☐ __

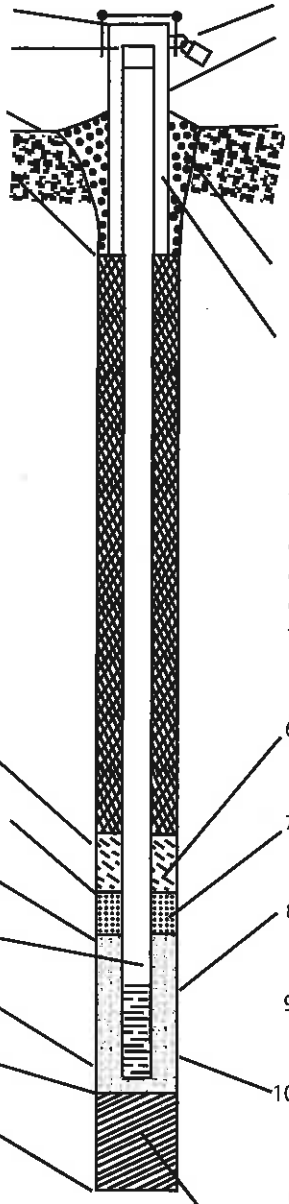
15. Drilling fluid used: Water ☐ 02 Air ☐ 01; Drilling Mud ☒ 03 None ☐ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of Water (attached analysis if required):

E. Bentonite seal, top 671.34 ft. MSL or 201 ft.
F. Fine sand, top 656.34 ft. MSL or 216 ft.
G. Filter pack, top 654.34 ft. MSL or 218 ft.
H. Screen joint, top 647.34 ft. MSL or 225 ft.
I. Well bottom 637.34 ft. MSL or 235 ft.
J. Filter pack, bottom 635.34 ft. MSL or 237 ft.
K. Borehole bottom 633.34 ft. MSL or 239 ft.
L. Borehole diameter 6.0 in.
M. O.D. well casing 2.375 in.
N. I.D. well casing 1.939 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1 ft.
c. Material: _____ Steel ☒ 04 Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____

3. Surface seal: _____ Bentonite ☐ 30 Concrete ☒ 01 Other ☐ __

4. Material between well casing and protective pipe: _____ Bentonite ☒ 30 Annular space seal ☐ __ Other ☐ __

5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. ____ Lbs/gal mud weight.....Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight.....Bentonite-slurry ☐ 31
d. 5 % Bentonite.....Bentonite-cement grout ☒ 50
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☒ 02 Gravity ☐ 08

6. Bentonite seal: a. Granular Bentonite ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. bentonite pellets ☒ 32
c. _____ Other ☐ __

7. Fine sand Material: Manufacturer, product name and mesh size
a. Filter Sil Industrial Quartz Sand __
b. Volume added 25 lbs

8. Filter pack material: Manufacturer, product name and mesh size
a. Red Flint #40 __
b. Volume added 250 lbs

9. Well casing: Flush threaded PVC schedule 40 ☐ 23 Flush threaded PVC schedule 80 ☒ 24 _____ Other ☐ __

10. Screen material: Stainless Steel
a. Screen type: Factory cut ☐ 11 Continuous slot ☒ 01 _____ Other ☐ __
b. Manufacturer Johnson
c. Slot size: .010 in.
d. Slotted length: 10 ft.

11. Backfill material (below filter pack): None ☐ 14 High Solids Grout Other ☒ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm ARCADIS 126 N. Jefferson Street Milwaukee, WI (414) 276-7742

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 293, 295, and 299, Wis. Stats, and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

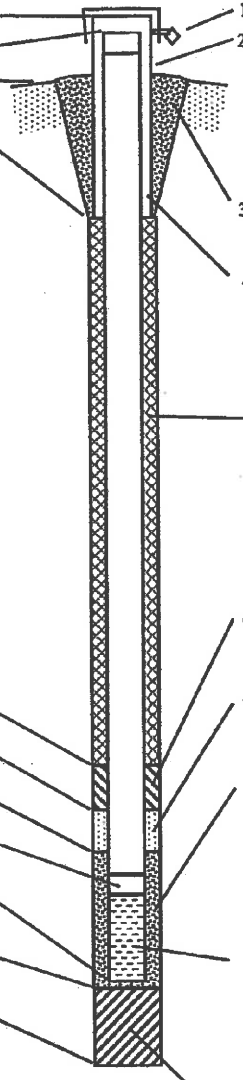
madison-kipp/WI001283/graphics/logs/mw5d3.const.ai

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name	Local Grid Location of Well	Well Name
Madison Kipp	_____ ft. ☐ N. _____ ft. ☐ E. ☐ S. ☐ W.	MW-6
Facility License, Permit or Monitoring Number	**Grid Origin Location**	**Wis. Unique Well Number** P H 0 7 7 7 **DNR Well Number**
_____	Lat. ____ ____ ____ Long. ____ ____ ____ St. Plane _____ ft. N, _____ ft. E.	**Date Well Installed** 0 2 / 0 4 / 0 3 (m m d d y y)
Type of Well Water Table Observation Well ■ 11 Piezometer ☐ 12		
Distance Well Is From Waste/Source Boundary	**Section Location of Waste/Source** ■ E NW 1/4 of SW 1/4 of Sec. 5, T. 7 N, R. 10 ☐ W	**Well Installed By: (Person's Name and Firm)** Kevin McCumber
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No	**Location of Well Relative to Waste/Source** u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Badger State Drilling



A. Protective pipe, top elevation _____.__ ft. MSL
B. Well casing, top elevation _____.__ ft. MSL
C. Land surface elevation _____.__ ft. MSL
D. Surface seal, bottom _____.__ ft MSL or 1 5 ft

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ■
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ■

13. Sieve analysis attached? ☐ Yes ■ No

14. Drilling method used: Rotary ☐ 5 0
Hollow Stem Auger ■ 4 1
_____ Other ☐

15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1
Drilling Mud ☐ 0 3 None ■ 9 9

16. Drilling additives used? ☐ Yes ■ No
Describe: _____

17. Source of water (attached analysis):
_____

E. Bentonite seal, top _____.__ ft MSL or 0 1 . 5 ft
F. Fine sand, top _____.__ ft MSL or 2 8 . 3 ft
G. Filter pack, top _____.__ ft MSL or 3 0 . 0 ft
H. Screen joint, top _____.__ ft MSL or 3 1 . 4 ft
I. Well bottom _____.__ ft MSL or 4 1 . 4 ft
J. Filter pack, bottom _____.__ ft MSL or 4 1 . 4 ft
K. Borehole, bottom _____.__ ft MSL or 4 1 . 4 ft
L. Borehole, diameter 8 . 5 in.
M. O.D. well casing 2 . 3 8 in.
N. I.D. well casing 2 . 0 5 in.

1. Cap and lock? ■ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9 . 0 in.
b. Length: 1 0 ft.
c. Material: Steel ■ 0 4
Flush mount Other ☐
d. Additional protection? ☐ Yes ■ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 3 0
Concrete ■ 0 1
_____ Other ☐
4. Material between well casing and protective pipe:
Bentonite ☐ 3 0
Annular Space Seal ☐
Sand-Ohio #5 Other ■
5. Annular space seal: a. Granular Bentonite ■ 3 3
b. ____ Lbs/gal mud weight ..... Bentonite-sand slurry ☐ 3 5
c. ____ Lbs/gal mud weight ..... Bentonite slurry ☐ 3 1
d. ____ % Bentonite ..... Bentonite-cement grout ☐ 5 0
e. 575 lbs. _____ Ft³ volume added for any of the above
f. How installed: Tremie ☐ 0 1
Tremie pumped ■ 0 2
Gravity ■ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ■ 3/8 in. ☐ 1/2 in. Bentonite pellets ■ 3 2
c. Black Hill Bentonite Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. Ohio 40/60
b. Volume added 50 lbs
8. Filter pack material: Manufacturer, product name & mesh size
a. Ohio #5
b. Volume added 375 lbs
9. Well casing: Flush threaded PVC schedule 40 ■ 2 3
Flush threaded PVC schedule 80 ☐ 2 4
_____ Other ☐
10. Screen material: Sch. 40 PVC
a. Screen type: Factory cut ■ 1 1
Continuous slot ☐ 0 1
_____ Other ☐
b. Manufacturer Diedrich
c. Slot size 0 . 0 1 0 in.
d. Slotted length: 1 0 . 0 ft.
11. Backfill material (below filler pack): None ■ 1 4
_____ Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm URS Corporation

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: shaded areas are for DNR use only. See instruction for more information including where the completed form should be sent.

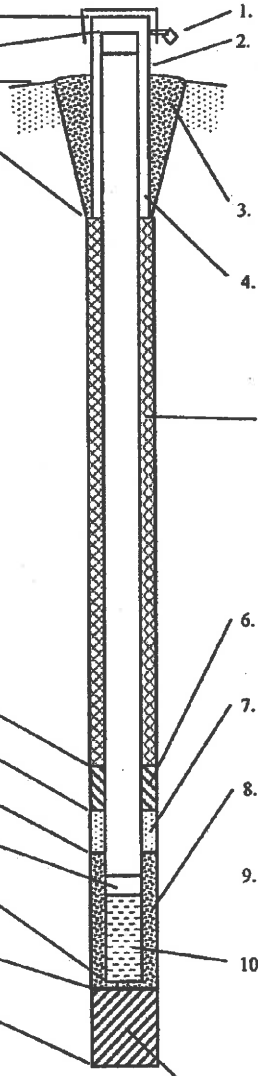
MK001351

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: Madison Kipp	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: MW-6D
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. ____ ____ ____ Long. ____ ____ ____ St. Plane _____ ft. N, _____ ft. E.	Wis. Unique Well Number: P F 0 7 7 6 DNR Well Number: _____
Type of Well: Water Table Observation Well ☐11 Piezometer ■12		Date Well Installed: 0 2 / 0 4 / 0 3 (m m d d y y)
Distance Well Is From Waste/Source Boundary: _____	Section Location of Waste/Source: NW 1/4 of SW 1/4 of Sec. 5, T. 7 N, R. 10 ■E ☐W	Well Installed By: (Person's Name and Firm): Kevin McCumber; Badger State Drilling
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient; d ☐ Downgradient n ☐ Not Known	



A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft MSL or 1.5 ft

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ■

13. Sieve analysis attached? ☐ Yes ■ No

14. Drilling method used: Rotary ■ 5 0; Hollow Stem Auger ■ 4 1; _____ Other ☐

15. Drilling fluid used: Water ☐ 0 2 Air ■ 0 1; Drilling Mud ☐ 0 3 None ☐ 9 9

16. Drilling additives used? ☐ Yes ■ No
Describe: _____

17. Source of water (attached analysis): _____

E. Bentonite seal, top _____ ft MSL or 59.5 ft
F. Fine sand, top _____ ft MSL or 61.8 ft
G. Filter pack, top _____ ft MSL or 62.8 ft
H. Screen joint, top _____ ft MSL or 65.5 ft
I. Well bottom _____ ft MSL or 70.5 ft
J. Filter pack, bottom _____ ft MSL or 70.5 ft
K. Borehole, bottom _____ ft MSL or 70.5 ft
L. Borehole, diameter 8.0 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.05 in.

1. Cap and lock? ■ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9.0 in.
b. Length: 1.0 ft.
c. Material: Flush mount — Steel ■ 0 4; Other ☐
d. Additional protection? ☐ Yes ■ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 3 0; Concrete ■ 0 1; _____ Other ☐
4. Material between well casing and protective pipe: Sand-Ohio #5 — Bentonite ☐ 3 0; Annular Space Seal ☐; Other ■
5. Annular space seal: a. Granular Bentonite ■ 3 3
b. _____ Lbs/gal mud weight ..... Bentonite-sand slurry ☐ 3 5
c. _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 3 1
d. _____ % Bentonite ..... Bentonite-cement grout ■ 5 0
e. See below Ft³ volume added for any of the above
f. How installed: 6 bags Portland Cement/1 bag; Aquagel grout mix/70 gals water and 850 lbs. bentonite — Tremie ☐ 0 1; Tremie pumped ■ 0 2; Gravity ■ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ■ 3/8 in. ☐ 1/2 in. Bentonite pellets ■ 3 2
c. Black Hill Bentonite 100 lbs. Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. Ohio 40/60
b. Volume added 40 lbs
8. Filter pack material: Manufacturer, product name & mesh size
a. Ohio #5
b. Volume added 125 lbs
9. Well casing: Flush threaded PVC schedule 40 ■ 2 3; Flush threaded PVC schedule 80 ☐ 2 4; _____ Other ☐
10. Screen material: Sch. 40 PVC
a. Screen type: Factory cut ■ 1 1; Continuous slot ☐ 0 1; _____ Other ☐
b. Manufacturer Diedrich
c. Slot size 0.010 in.
d. Slotted length: 05.0 ft.
11. Backfill material (below filler pack): None ■ 1 4; _____ Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm URS Corporation

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: shaded areas for DNR use only. See instruction for more information including where the completed form should be sent.

MK001353

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: MADISON KIPP	Local Grid Location of Well: ft. ☐N. ☐S. ft. ☐E. ☐W.	Well Name: MW-7
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: VY673 DNR Well ID No.:
Facility ID	St. Plane ft. N, ft. E. S/C/N	Date Well Installed: 12/21/2011 (m m d d y y y y)
Type of Well: Well Code 1	Section Location of Waste/Source: 1/4 of 1/4 of Sec. T. N, R. ☐E. ☐W.	Well Installed By: Name (first, last) and Firm: BRADLEY STATE DRILLING CO.
Distance from Waste/Source ft.	Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known
		Gov. Lot Number:

A. Protective pipe, top elevation +1.58 ft. MSL

B. Well casing, top elevation -.2 ft. MSL

C. Land surface elevation ft. MSL

D. Surface seal, bottom ft. MSL or ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☐ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☐ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe

17. Source of water (attach analysis, if required):

E. Bentonite seal, top ft. MSL or 1' ft.

F. Fine sand, top ft. MSL or 21' ft.

G. Filter pack, top ft. MSL or 23' ft.

H. Screen joint, top ft. MSL or 25' ft.

I. Well bottom ft. MSL or 35' ft.

J. Filter pack, bottom ft. MSL or 35' ft.

K. Borehole, bottom ft. MSL or 35' ft.

L. Borehole, diameter 8.0 in.

M. O.D. well casing 2.38 in.

N. I.D. well casing 2.0" in.

1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 9 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04
Other ☐
d. Additional protection? ☐ Yes ☐ No
If yes, describe:

3. Surface seal: Bentonite ☐ 30
Concrete ☒ 01
Other ☐

4. Material between well casing and protective pipe:
Bentonite ☐ 30
Other ☐

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. Lbs/gal mud weight . . . . Bentonite slurry ☐ 31
d. % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☐ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. OH10 40-60
b. Volume added ft³

8. Filter pack material: Manufacturer, product name & mesh size
a. OH10 #5
b. Volume added ft³

9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
Other ☐

10. Screen material: SCH 40 PVC
a. Screen type: Factory cut ☒ 11
Continuous slot ☐ 01
Other ☐
b. Manufacturer HOOPER
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.

11. Backfill material (below filter pack): None ☒ 14
Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [signature] Firm Badger State Drilling, Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

RJN003724

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: MADISON KIPP	Local Grid Location of Well: ft. ☐N. ft. ☐S. ft. ☐E. ft. ☐W.	Well Name: MW-B
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: VV672 / DNR Well ID No.
Facility ID	St. Plane ft. N, ft. E, S/C/N	Date Well Installed: 07/25/2001 (m m d d y y y y)
Type of Well: Well Code 1	Section Location of Waste/Source: 1/4 of 1/4 of Sec, T. N, R. ☐E ☐W	Well Installed By: Name (first, last) and Firm: BADGER STATE DRILLING CO.
Distance from Waste/Source ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number

A. Protective pipe, top elevation FLUSH ft. MSL
B. Well casing, top elevation -2" ft. MSL
C. Land surface elevation ft. MSL
D. Surface seal, bottom ft. MSL or ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☐ No

14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☑ 41 / Other ☐

15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ☑ 99

16. Drilling additives used? ☐ Yes ☑ No
Describe

17. Source of water (attach analysis, if required):

E. Bentonite seal, top ft. MSL or 1' ft.
F. Fine sand, top ft. MSL or 20' ft.
G. Filter pack, top ft. MSL or 22' ft.
H. Screen joint, top ft. MSL or 24' ft.
I. Well bottom ft. MSL or 34' ft.
J. Filter pack, bottom ft. MSL or 34' ft.
K. Borehole, bottom ft. MSL or 34' ft.
L. Borehole, diameter 8.0 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.0" in.

1. Cap and lock? ☑ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9 in.
b. Length: 1 ft.
c. Material: Steel ☑ 04 / Other ☐
d. Additional protection? ☐ Yes ☐ No
If yes, describe:
3. Surface seal: Bentonite ☐ 30 / Concrete ☑ 01 / Other ☐
4. Material between well casing and protective pipe: Bentonite ☑ 30 / Other ☐
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. % Bentonite ..... Bentonite-cement grout ☐ 50
e. Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☐ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☑3/8 in. ☐1/2 in. Bentonite chips ☑ 32
c. Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. OHIO 40-60
b. Volume added ft³
8. Filter pack material: Manufacturer, product name & mesh size
a. OHIO #5
b. Volume added ft³
9. Well casing: Flush threaded PVC schedule 40 ☑ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐
10. Screen material: SCH 40 PVC
a. Screen type: Factory cut ☑ 11 / Continuous slot ☐ 01 / Other ☐
b. Manufacturer MONOFLEX
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☑ 14 / Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [signature] Firm: Badger State Drilling, Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☒

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Madison Kipp

Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.

Well Name: 9

Facility License, Permit or Monitoring No.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐
Lat. ___ ° ___ ' ___ " Long. ___ ° ___ ' ___ " or

Wis. Unique Well No.: VY671 DNR Well ID No.

Facility ID

St. Plane ______ ft. N, ______ ft. E. S/C/N

Date Well Installed: 07/26/2011 (m m d d y y y y)

Section Location of Waste/Source
____ 1/4 of ____ 1/4 of Sec. ____, T. ____ N, R. ____ ☐ E ☐ W

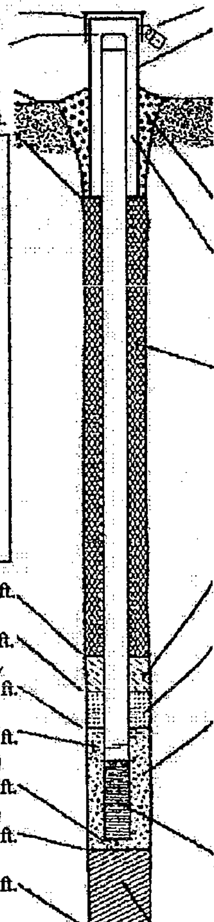
Type of Well
Well Code: 1

Well Installed By: Name (first, last) and Firm: Badger State Drilling Co.

Distance from Waste/Source ____ ft.
Enf. Stds. Apply ☐

Location of Well Relative to Waste/Source
u ☐ Upgradient s ☐ Sidegradient
d ☐ Downgradient n ☐ Not Known

Gov. Lot Number



A. Protective pipe, top elevation: FLUSH ft. MSL
B. Well casing, top elevation: -2" ft. MSL
C. Land surface elevation: ______ ft. MSL
D. Surface seal, bottom ______ ft. MSL or ____ ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☐ No

14. Drilling method used: Rotary ☒ 5 0
Hollow Stem Auger ☒ 4 1
Other ☐

15. Drilling fluid used: Water ☐ 0 2 Air ☒ 0 1
Drilling Mud ☐ 0 3 None ☐ 9 9

16. Drilling additives used? ☐ Yes ☒ No

Describe ______

17. Source of water (attach analysis, if required):

E. Bentonite seal, top ______ ft. MSL or 1' ft.
F. Fine sand, top ______ ft. MSL or 40' ft.
G. Filter pack, top ______ ft. MSL or 42' ft.
H. Screen joint, top ______ ft. MSL or 44' ft.
I. Well bottom ______ ft. MSL or 49' ft.
J. Filter pack, bottom ______ ft. MSL or 49' ft.
K. Borehole, bottom ______ ft. MSL or 49' ft.
L. Borehole, diameter: 6.0 in.
M. O.D. well casing: 2.38 in.
N. I.D. well casing: 2.0 in.

1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 9 in.
b. Length: 1 ft.
c. Material: Steel ☒ 0 4
Other ☐
d. Additional protection? ☐ Yes ☐ No
If yes, describe:

3. Surface seal: Bentonite ☐ 3 0
Concrete ☒ 0 1
Other ☐

4. Material between well casing and protective pipe:
Bentonite ☐ 3 0
Other ☐

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3 3
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. ____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 3 1
d. ____ % Bentonite . . . . . . Bentonite-cement grout ☐ 5 0
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1
Tremie pumped ☐ 0 2
Gravity ☐ 0 8

6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. ______ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. OHIO 40-60
b. Volume added ______ ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. OHIO #5
b. Volume added ______ ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3
Flush threaded PVC schedule 80 ☐ 2 4
Other ☐

10. Screen material: SCH 40 PVC
a. Screen type: Factory cut ☒ 1 1
Continuous slot ☐ 0 1
Other ☐
b. Manufacturer: MONOFLEX
c. Slot size: 0.010 in.
d. Slotted length: 5 ft.

11. Backfill material (below filter pack): None ☒ 1 4
Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [signature] Firm: Badger State Drilling, Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management: ☐
Remediation/Redevelopment ☐ Other ☒

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: MADISON KIPP	Local Grid Location of Well: ☐N. ft. ☐S. ☐E. ft. ☐W.	Well Name: 10
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: VY6070 DNR Well ID No.
Facility ID	St. Plane ft. N, ft. E. S/C/N	Date Well Installed: 07/27/2011 (m m d d y y y y)
Type of Well: Well Code 1	Section Location of Waste/Source: 1/4 of 1/4 of Sec. T. N, R. ☐E ☐W	Well Installed By: Name (first, last) and Firm: BADGER STATE DRILLING LLC
Distance from Waste/Source ft.	Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known
		Gov. Lot Number

A. Protective pipe, top elevation FLUSH ft. MSL
B. Well casing, top elevation -2' ft. MSL
C. Land surface elevation ft. MSL
D. Surface seal, bottom ft. MSL or ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☐ No

14. Drilling method used: Rotary ☒ 50
Hollow Stem Auger ☒ 41
Other ☐

15. Drilling fluid used: Water ☐ 02 Air ☒ 01
Drilling Mud ☒ 03 None ☐ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe

17. Source of water (attach analysis, if required):

E. Bentonite seal, top ft. MSL or 1' ft.
F. Fine sand, top ft. MSL or 60' ft.
G. Filter pack, top ft. MSL or 62' ft.
H. Screen joint, top ft. MSL or 64' ft.
I. Well bottom ft. MSL or 69' ft.
J. Filter pack, bottom ft. MSL or 69' ft.
K. Borehole, bottom ft. MSL or 69' ft.
L. Borehole, diameter 6.0 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.0 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04
Other ☐
d. Additional protection? ☐ Yes ☐ No
If yes, describe:
3. Surface seal: Bentonite ☐ 30
Concrete ☒ 01
Other ☐
4. Material between well casing and protective pipe:
Bentonite ☐ 30
Other ☐
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. Lbs/gal mud weight . . . . Bentonite slurry ☐ 31
d. % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☐ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. OHIO 40-60
b. Volume added ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. OHIO #5
b. Volume added ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
Other ☐
10. Screen material: SCH 40 PVC
a. Screen type: Factory cut ☒ 11
Continuous slot ☐ 01
Other ☐
b. Manufacturer MANOFLEX
c. Slot size: 0.010 in.
d. Slotted length: 5' ft.
11. Backfill material (below filter pack): None ☒ 14
Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [signature] Firm: Badger State Drilling, Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

RJN003731

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A 7/98

Facility/Project Name: Madision-Kipp	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-10S
Facility License, Permit or Monitoring Number	Local Grid Origin: Lat. ____ Long ____ or St. Plane 400047.9 ft. N, 2143831.5 ft. E	Wis. Unique Well Number: OY905 / DNR Well Number:
Facility ID: 113125320	Section Location of Waste/Source: ____ 1/4 of ____ 1/4 of Sec. ____ T. ____ N, R ____ ☐ E. ☐ W.	Date Well Installed: 04/04/2012
Type of Well: Well Code ____/____	Location of Well Relative to Waste/Source: ☐ Upgradinet ☐ Sidegradient ☐ Downgradient ☐ Not Known	Well Installed by: Name (first, last) and Firm: Ryan Fett, Giles Engineering & Associates
Distance from Waste/Source ____ ft.	Enf. Stds. Apply ☐	

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft MSL or 0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
_____ Other ☐ __

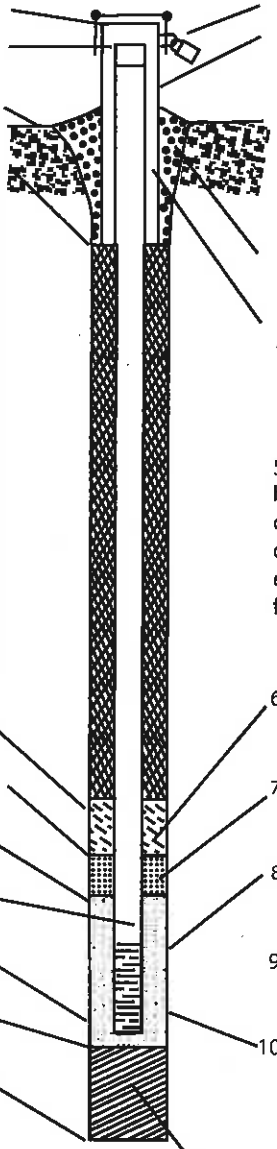
15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of Water (attached analysis if required):
_____

E. Bentonite seal, top _____ ft. MSL or 1.0 ft.
F. Fine sand, top _____ ft. MSL or 7.0 ft.
G. Filter pack, top _____ ft. MSL or 9.0 ft.
H. Screen joint, top _____ ft. MSL or 11.0 ft.
I. Well bottom _____ ft. MSL or 21.0 ft.
J. Filter pack, bottom _____ ft. MSL or 22.0 ft.
K. Borehole bottom _____ ft. MSL or 22.0 ft.
L. Borehole diameter 8.0 in.
M. O.D. well casing 2.37 in.
N. I.D. well casing 2.06 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04
_____ Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30
Concrete ☒ 01
_____ Other ☐ __
4. Material between well casing and protective pipe:
Bentonite ☒ 30
Annular space seal ☐ __
_____ Other ☐ __
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight.....Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight.....Bentonite-slurry ☐ 31
d. _____ % Bentonite.....Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☒ 08
6. Bentonite seal: a. Granular Bentonite ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. bentonite pellets ☒ 32
c. _____ Other ☐ __
7. Fine sand Material: Manufacturer, product name and mesh size
a. Red Flint #15
b. Volume added 50 lbs
8. Filter pack material: Manufacturer, product name and mesh size
a. Red Flint #40
b. Volume added 450 lbs
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
_____ Other ☐ __
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11
Continuous slot ☐ 01
_____ Other ☐ __
b. Manufacturer Johnson
c. Slot size: .010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☒ 14
_____ Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: TA (David Hahn)
Firm: ARCADIS
126 N. Jefferson Street
Milwaukee, WI (414) 276-7742

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 293, 295, and 299, Wis. Stats, and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

madison-kipp/WI001283/graphics/logs/mw10s const.ai

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A 7/98

Facility/Project Name: Madision-Kipp	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: MW-11S
Facility License, Permit or Monitoring Number:	Local Grid Origin: Lat. _____ Long _____ or St. Plane 399676.7 ft. N, 2144367.7 ft. E	Wis. Unique Well Number: OY906 / DNR Well Number:
Facility ID: 113125320		Date Well Installed: 04/10/2012
Type of Well: Well Code ____/____	Section Location of Waste/Source: ___1/4 of ___1/4 of Sec. ___ T. ___ N,R ___ ☐ E. ☐ W.	Well Installed by: Name (first, last) and Firm: Ryan Fett, Giles Engineering & Associates
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: ☐ Upgradinet ☐ Sidegradient ☐ Downgradient ☐ Not Known	

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft MSL or 0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
_____ Other ☐ __

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

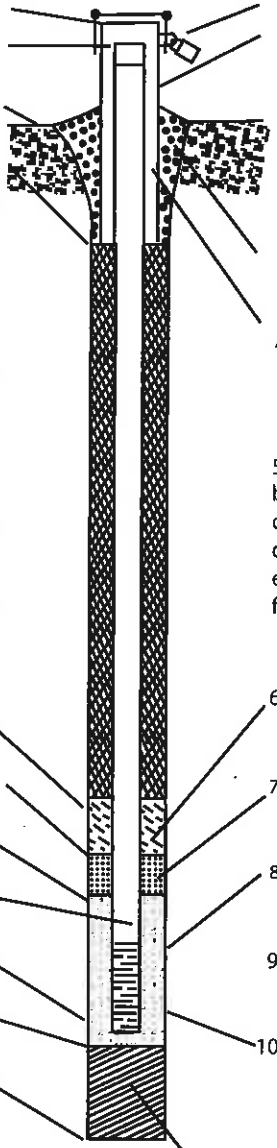
16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of Water (attached analysis if required):

_____

E. Bentonite seal, top _____ ft. MSL or 1.0 ft.
F. Fine sand, top _____ ft. MSL or 20.0 ft.
G. Filter pack, top _____ ft. MSL or 22.0 ft.
H. Screen joint, top _____ ft. MSL or 24.0 ft.
I. Well bottom _____ ft. MSL or 34.0 ft.
J. Filter pack, bottom _____ ft. MSL or 36.0 ft.
K. Borehole bottom _____ ft. MSL or 36.0 ft.
L. Borehole diameter 8.0 in.
M. O.D. well casing 2.37 in.
N. I.D. well casing 2.06 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04 / Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30 / Concrete ☒ 01 / Other ☐ __
_____
4. Material between well casing and protective pipe: Bentonite ☒ 30 / Annular space seal ☐ __ / Other ☐ __
_____
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight.....Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight.....Bentonite-slurry ☐ 31
d. _____ % Bentonite.....Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☒ 08
6. Bentonite seal: a. Granular Bentonite ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. bentonite pellets ☒ 32
c. _____ Other ☐ __
7. Fine sand Material: Manufacturer, product name and mesh size
a. Red Flint #15
b. Volume added 50 lbs
8. Filter pack material: Manufacturer, product name and mesh size
a. Red Flint #40
b. Volume added 450 lbs
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24
_____ Other ☐ __
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01
_____ Other ☐ __
b. Manufacturer Johnson
c. Slot size: .010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☒ 14
_____ Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: TA (Dan Hahn)

Firm: ARCADIS
126 N. Jefferson Street
Milwaukee, WI (414) 276-7742

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 293, 295, and 299, Wis. Stats, and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

madison-kipp/WI001283/graphics/logs/mw11s const.ai

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A 7/98

Facility/Project Name: Madision-Kipp	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-12S
Facility License, Permit or Monitoring Number:	Local Grid Origin: Lat. ____ Long ____ or St. Plane 400535.3 ft. N, 2144281.8 ft. E	Wis. Unique Well Number: OY907 / DNR Well Number:
Facility ID: 113125320		Date Well Installed: 04/10/2012
Type of Well: Well Code ____/____	Section Location of Waste/Source: ____1/4 of ____1/4 of Sec____ T.____ N,R____ ☐ E. ☐ W.	Well Installed by: Name (first, last) and Firm: Ryan Fett, Giles Engineering & Associates
Distance from Waste/Source ____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: ☐ Upgradinet ☐ Sidegradient ☐ Downgradient ☐ Not Known	

A. Protective pipe, top elevation ____ ft. MSL
B. Well casing, top elevation ____ ft. MSL
C. Land surface elevation ____ ft. MSL
D. Surface seal, bottom ____ ft MSL or 0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
____ Other ☐ __

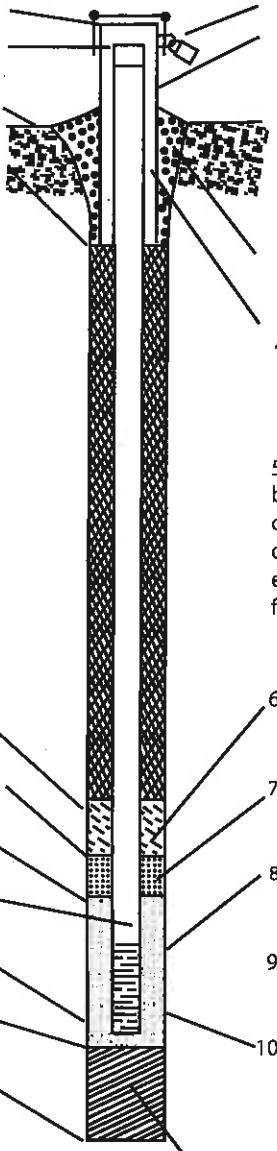
15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

17. Source of Water (attached analysis if required):
____

E. Bentonite seal, top ____ ft. MSL or 1.0 ft.
F. Fine sand, top ____ ft. MSL or 2.0 ft.
G. Filter pack, top ____ ft. MSL or 2.5 ft.
H. Screen joint, top ____ ft. MSL or 3.0 ft.
I. Well bottom ____ ft. MSL or 13.0 ft.
J. Filter pack, bottom ____ ft. MSL or 14.0 ft.
K. Borehole bottom ____ ft. MSL or 14.0 ft.
L. Borehole diameter 8.0 in.
M. O.D. well casing 2.37 in.
N. I.D. well casing 2.06 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1 ft.
c. Material: ____ Steel ☒ 04 Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: ____ Bentonite ☐ 30 Concrete ☒ 01 Other ☐ __
4. Material between well casing and protective pipe: ____ Bentonite ☒ 30 Annular space seal ☐ __ Other ☐ __
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. ____ Lbs/gal mud weight.....Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight.....Bentonite-slurry ☐ 31
d. ____ % Bentonite.....Bentonite-cement grout ☐ 50
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Granular Bentonite ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. bentonite pellets ☒ 32
c. ____ Other ☐ __
7. Fine sand Material: Manufacturer, product name and mesh size
a. Red Flint #15 __
b. Volume added 13 lbs
8. Filter pack material: Manufacturer, product name and mesh size
a. Red Flint #40 __
b. Volume added 400 lbs
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 ____ Other ☐ __
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 ____ Other ☐ __
b. Manufacturer Johnson
c. Slot size: .010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): ____ None ☒ 14 Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: TA (David Hahn)
Firm: ARCADIS, 126 N. Jefferson Street, Milwaukee, WI (414) 276-7742

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 293, 295, and 299, Wis. Stats, and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

madison-kipp/WI001283/graphics/logs/mw12s const.ai

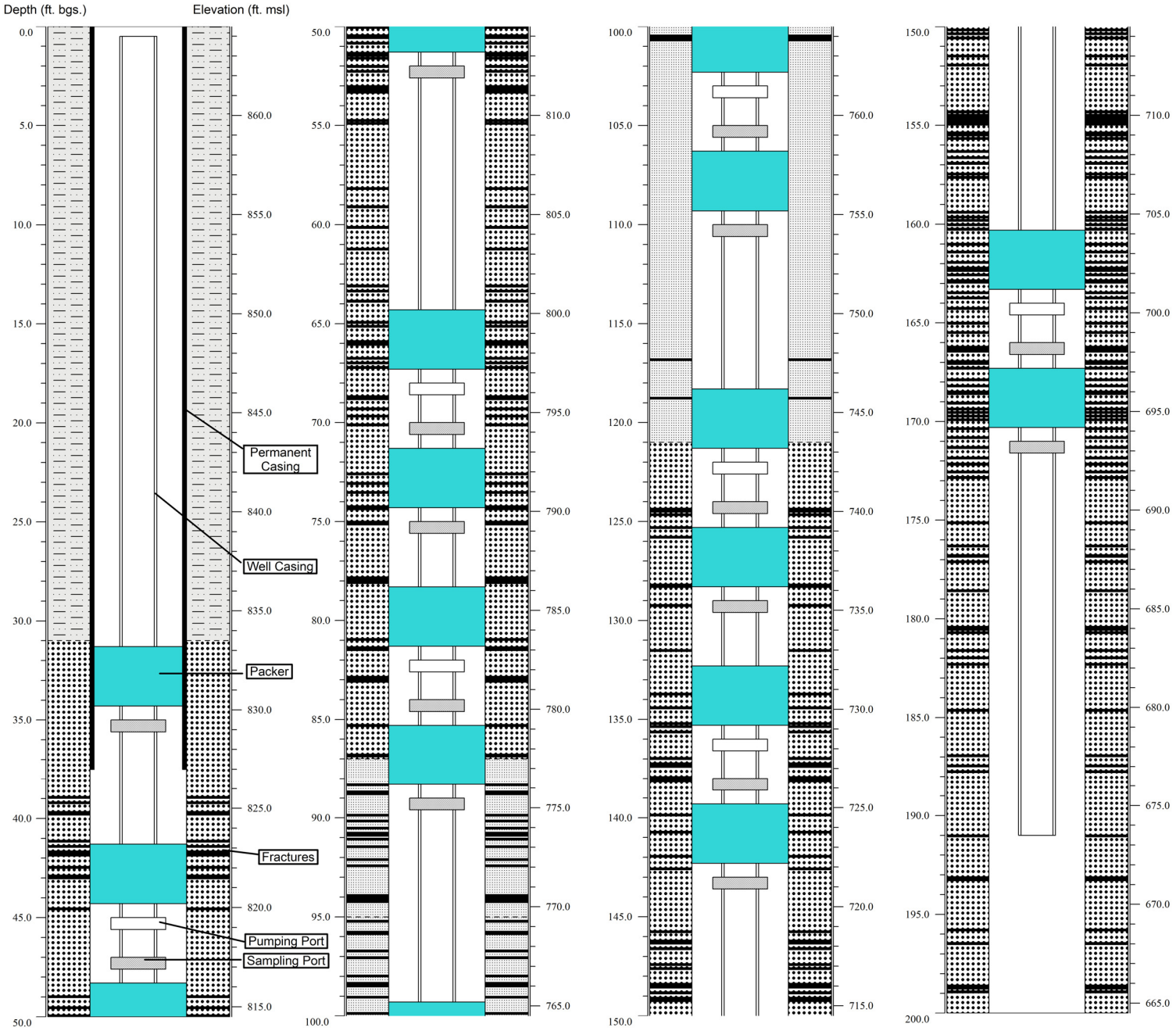
ARCADIS
Infrastructure, environment, buildings

Facility/Project: Madison-Kipp Corporation
Facility ID: 113125320
Drilling Method: Mud Rotary
Drilling Fluid Used: Drilling Mud
Borehole Diameter: 8" to 37.5', 6" to 200'
Well Casing ID/OD: 1.5" / 1.8"
Well Installed By: Mark Lessard, Schlumberger

Well ID: MP-13
Well Installation Date: 9/30/2012
State Plane Location: 400296.486N, 2144079.138E
Section Location: SW 1/4 of Sec. 5, T7N, R10E
Land Surface Elevation: 864.49
Well Casing Elevation: 863.99
Surface Seal Bottom: 863.49

Multiport Sample Intervals

Sampler Depth	Sample Range
47.0'	44 - 48'
70.0'	67 - 71'
84.0'	81 - 85'
105.0'	102 - 106'
124.0'	121 - 125'
138.0'	135 - 139'
166.0'	163 - 167'



I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Bryan Ruld Ernst Firm ARCADIS
126 N. Jefferson St., Suite 400
Milwaukee, WI 53202 (414) 276-7742

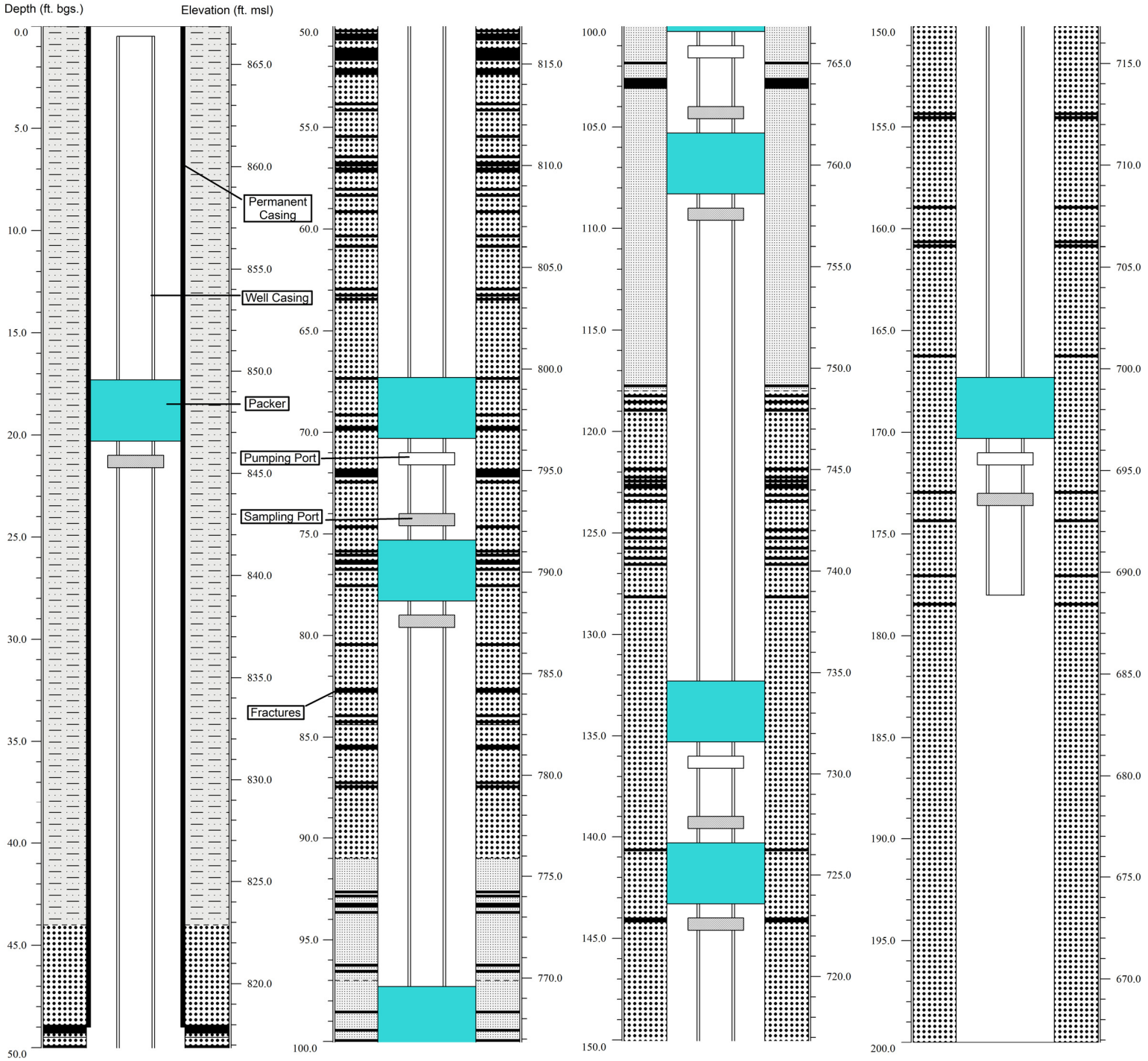
ARCADIS
Infrastructure, environment, buildings

Facility/Project: Madison-Kipp Corporation
Facility ID: 113125320
Drilling Method: Mud Rotary
Drilling Fluid Used: Drilling Mud
Borehole Diameter: 8" to 49', 6" to 200'
Well Casing ID/OD: 1.5" / 1.8"
Well Installed By: Dennis Oertel, Schlumberger

Well ID: MP-14
Well Installation Date: 10/22/12
State Plane Location: 400022.837N, 2143616.006E
Section Location: SW 1/4 of Sec. 5, T7N, R10E
Land Surface Elevation: 866.88
Well Casing Elevation: 867.28
Surface Seal Bottom: 865.88

Multiport Sample Intervals

Sampler Depth	Sample Range
74.0'	70 - 75'
104.0'	100 - 105'
139.0'	135 - 140'
173.0'	170 - 178'



I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Bryan Ruud Firm

ARCADIS
126 N. Jefferson St., Suite 400
Milwaukee, WI 53202 (414) 276-7742

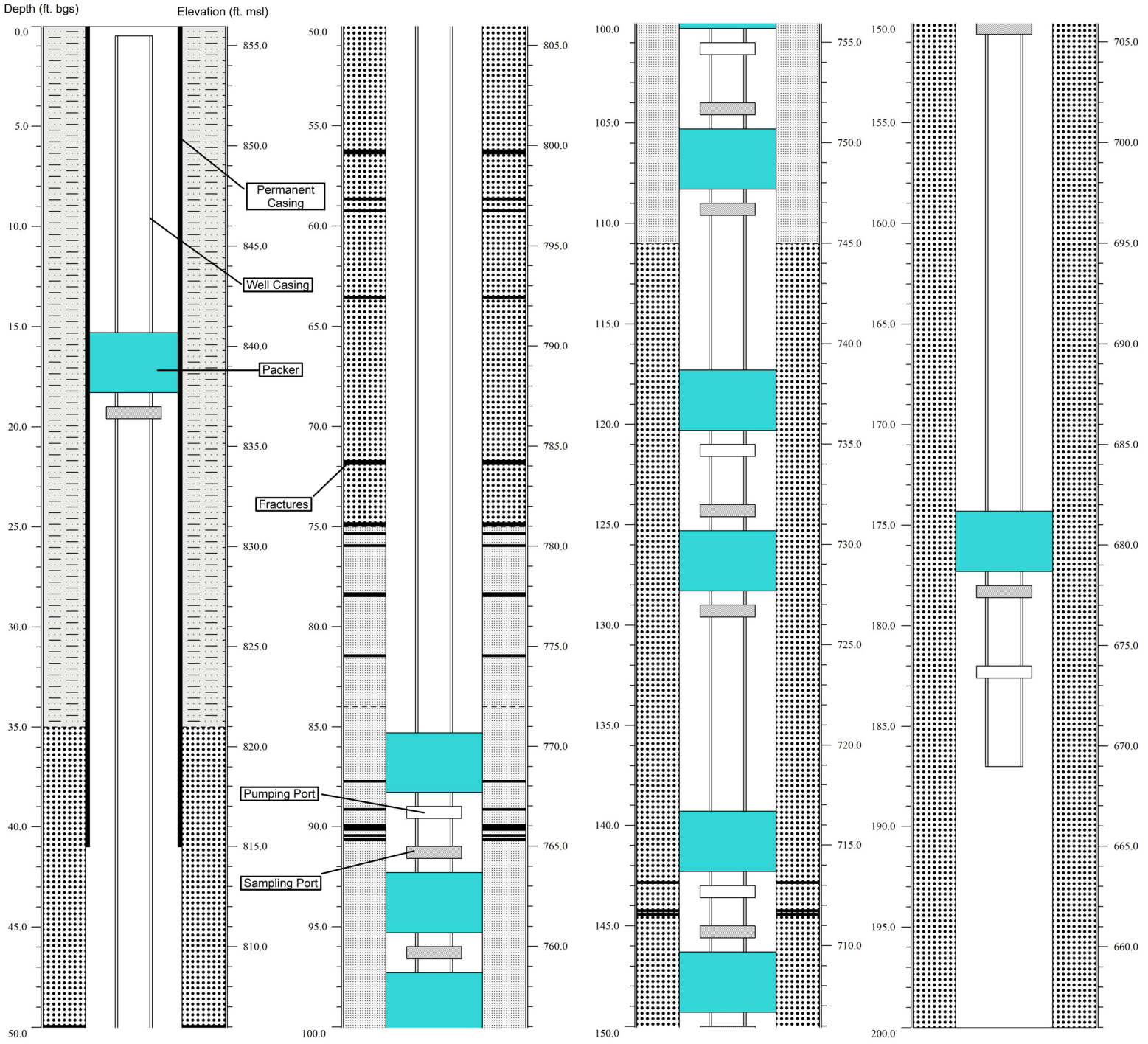
ARCADIS
Infrastructure, environment, buildings

Facility/Project: Madison-Kipp Corporation
Facility ID: 113125320
Drilling Method: Mud Rotary
Drilling Fluid Used: Drilling Mud
Borehole Diameter: 8" to 41', 6" to 200'
Well Casing ID/OD: 1.5" / 1.8"
Well Installed By: Dennis Oertel, Schlumberger

Well ID: MP-15
Well Installation Date: 12/11/12
State Plane Location: 400900.426N, 2144107.01E
Section Location: SW 1/4 of Sec. 5, T7N, R10E
Land Surface Elevation: 855.98
Well Casing Elevation: 855.50
Surface Seal Bottom: 854.98

Multiport Sample Intervals

Sampler Depth	Sample Range
91.0'	88 - 92'
104.0'	100 - 105'
124.0'	120 - 125'
145.0'	142 - 146'
178.0'	177 - 187'



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Signature Bryan Ruld Firm

ARCADIS
126 N. Jefferson St., Suite 400
Milwaukee, WI 53202 (414) 276-7742

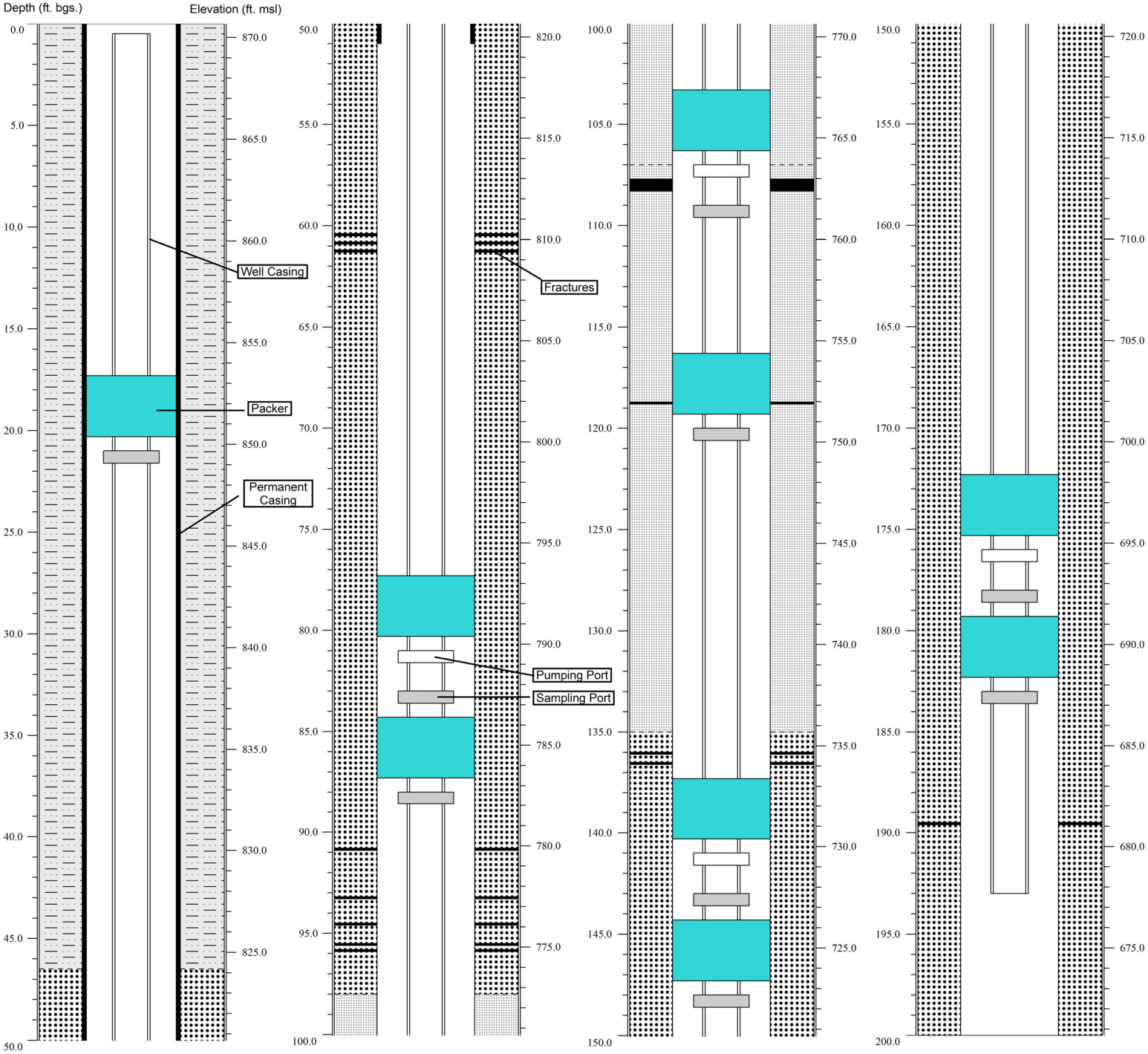
ARCADIS
Infrastructure, environment, buildings

Facility/Project: Madison-Kipp Corporation
Facility ID: 113125320
Drilling Method: Mud Rotary
Drilling Fluid Used: Drilling Mud
Borehole Diameter: 8" to 51.0', 6" to 200'
Well Casing ID/OD: 1.5" / 1.8"
Well Installed By: Dennis Oertel, Schlumberger

Well ID: MP-16
Well Installation Date: 11/30/2012
State Plane Location: 399816.64N, 2144638.84E
Section Location: SW 1/4 of Sec. 5, T7N, R10E
Land Surface Elevation: 870.68
Well Casing Elevation: 870.17
Surface Seal Bottom: 869.68

Multiport Sample Intervals

Sampler Depth	Sample Range
83.0'	80 - 84'
109.0'	106 - 116'
143.0'	140 - 144'
178.0'	175 - 179'



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Signature Bryan Ruld Ernst Firm

ARCADIS
126 N. Jefferson St., Suite 400
Milwaukee, WI 53202 (414) 276-7742

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A 7/98

Facility/Project Name: Madison-Kipp	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: MW-17
Facility License, Permit or Monitoring Number	Local Grid Origin: Lat. _____ Long _____ or St. Plane 399413.16 ft. N, 2144307.18 ft. E	Wis. Unique Well Number / DNR Well Number
Facility ID: 113125320	Section Location of Waste/Source: ___1/4 of ___1/4 of Sec. ___ T. ___ N,R ___ ☐ E. ☐ W.	Date Well Installed: 01/08/2013
Type of Well: Well Code ____/____	Location of Well Relative to Waste/Source: ☐ Upgradinet ☐ Sidegradient ☐ Downgradient ☐ Not Known	Well Installed by: Name (first, last) and Firm: Todd Schmelfeldt, Boart Longyear
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐		

A. Protective pipe, top elevation 877.26 ft. MSL
B. Well casing, top elevation 876.65 ft. MSL
C. Land surface elevation 877.26 ft. MSL
D. Surface seal, bottom _____ ft MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☒ 50; Hollow Stem Auger ☐ 41; _____ Other ☐ __

15. Drilling fluid used: Water ☐ 02 Air ☐ 01; Drilling Mud ☒ 03 None ☐ 99

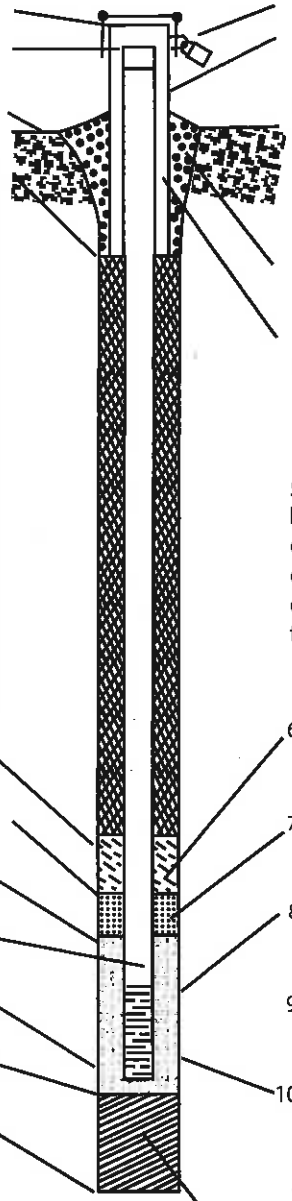
16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of Water (attached analysis if required):

_____

E. Bentonite seal, top _____ ft. MSL or 1.0 ft.
F. Fine sand, top _____ ft. MSL or 156.0 ft.
G. Filter pack, top _____ ft. MSL or 158.0 ft.
H. Screen joint, top _____ ft. MSL or 160.0 ft.
I. Well bottom _____ ft. MSL or 170.0 ft.
J. Filter pack, bottom _____ ft. MSL or 207.0 ft.
K. Borehole bottom _____ ft. MSL or 207.0 ft.
L. Borehole diameter 6.0 in.
M. O.D. well casing 2.37 in.
N. I.D. well casing 2.06 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9 in.
b. Length: 1 ft.
c. Material: _____ Steel ☒ 04 Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: _____ Bentonite ☐ 30 Concrete ☒ 01 Other ☐ __
4. Material between well casing and protective pipe: _____ Bentonite ☒ 30 Annular space seal ☐ __ Other ☐ __
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. _____ Lbs/gal mud weight.....Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight.....Bentonite-slurry ☐ 31
d. 2 % Bentonite.....Bentonite-cement grout ☒ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Granular Bentonite ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. bentonite pellets ☒ 32
c. _____ Other ☐ __
7. Fine sand Material: Manufacturer, product name and mesh size
a. Red Flint #15 __
b. Volume added 1.5 ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. Red Flint #40 __
b. Volume added 3.0 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 _____ Other ☐ __
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 _____ Other ☐ __
b. Manufacturer Johnson
c. Slot size: .010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): _____ None ☒ 14 Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm ARCADIS, 126 N. Jefferson Street, Milwaukee, WI (414) 276-7742

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 293, 295, and 299, Wis. Stats, and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

madison-kipp/WI001283/graphics/logs/mw17 const.ai

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A 7/98

Facility/Project Name: Madison-Kipp	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: MW-18S	
Facility License, Permit or Monitoring Number	Local Grid Origin: Lat. _____ Long _____ or St. Plane 400104.77 ft. N, 2144064.81 ft. E	Wis. Unique Well Number	DNR Well Number
Facility ID: 113125320	Section Location of Waste/Source: ___ 1/4 of SW 1/4 of Sec. 5 T. 7 N,R 10 ☒ E. ☐ W.	Date Well Installed: 11/02/2012	
Type of Well: Well Code ____/____	Location of Well Relative to Waste/Source: ☐ Upgradinet ☐ Sidegradient ☐ Downgradient ☒ Not Known	Well Installed by: Name (first, last) and Firm: Beauford Jones, Giles Engineering & Associates	
Distance from Waste/Source _____ ft.	Enf. Stds. Apply ☐		

A. Protective pipe, top elevation 867.89 ft. MSL
B. Well casing, top elevation 867.24 ft. MSL
C. Land surface elevation 867.89 ft. MSL
D. Surface seal, bottom 866.89 ft MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

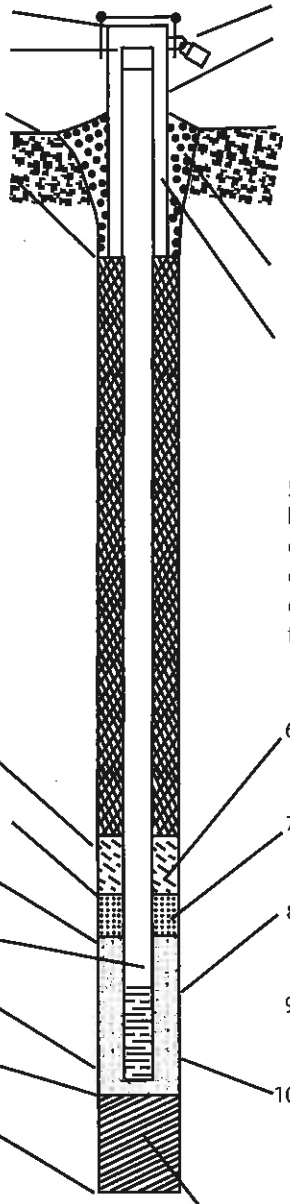
14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
_____ Other ☐ __

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe N/A

17. Source of Water (attached analysis if required):
N/A

E. Bentonite seal, top 856.89 ft. MSL or 11.0 ft.
F. Fine sand, top 851.89 ft. MSL or 16.0 ft.
G. Filter pack, top 849.89 ft. MSL or 18.0 ft.
H. Screen joint, top 847.89 ft. MSL or 20.0 ft.
I. Well bottom 837.89 ft. MSL or 30.0 ft.
J. Filter pack, bottom 837.39 ft. MSL or 30.5 ft.
K. Borehole bottom 837.39 ft. MSL or 30.5 ft.
L. Borehole diameter 8.0 in.
M. O.D. well casing 2.3 in.
N. I.D. well casing 2.0 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1.0 ft.
c. Material: _____ Steel ☒ 04 Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: _____ Bentonite ☐ 30 Concrete ☒ 01 Other ☐ ___
4. Material between well casing and protective pipe: _____ Bentonite ☒ 30 Annular space seal ☐ ___ Other ☐ ___
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. _____ Lbs/gal mud weight.....Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight.....Bentonite-slurry ☐ 31
d. _____ % Bentonite.....Bentonite-cement grout ☒ 50
e. 2.3 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Granular Bentonite ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. bentonite pellets ☒ 32
c. _____ Other ☐ ___
7. Fine sand Material: Manufacturer, product name and mesh size
a. Red Flint #15 __
b. Volume added 0.5 ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. Red Flint #40 __
b. Volume added 2.6 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☐ 23 Flush threaded PVC schedule 80 ☒ 24 _____ Other ☐ __
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 _____ Other ☐ ___
b. Manufacturer Johnson
c. Slot size: .010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☒ 14 _____ Other ☐ ___

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: _____ Firm: ARCADIS, 126 N. Jefferson Street, Milwaukee, WI (414) 276-7742

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 293, 295, and 299, Wis. Stats, and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

madison-kipp/WI001283/graphics/logs/mw18s const.ai

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A 7/98

Facility/Project Name: Madison-Kipp	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: MW-19D	
Facility License, Permit or Monitoring Number	Local Grid Origin: Lat. _____ Long _____ or St. Plane 400150.89 ft. N, 2144078.50 ft. E	Wis. Unique Well Number	DNR Well Number
Facility ID: 113125320	Section Location of Waste/Source: ___ 1/4 of SW 1/4 of Sec. 5 T. 7 N,R 10 ☒ E. ☐ W.	Date Well Installed: 11/19/2012	
Type of Well: Well Code ____/____	Location of Well Relative to Waste/Source: ☐ Upgradinet ☐ Sidegradient ☐ Downgradient ☒ Not Known	Well Installed by: Name (first, last) and Firm: Todd Schmelfeldt, Boart Longyear	
Distance from Waste/Source _____ ft. Enf. Stds. Apply ☐			

A. Protective pipe, top elevation 867.44 ft. MSL
B. Well casing, top elevation 866.75 ft. MSL
C. Land surface elevation 867.44 ft. MSL
D. Surface seal, bottom 866.44 ft MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☒ 50; Hollow Stem Auger ☐ 41; _____ Other ☐ __

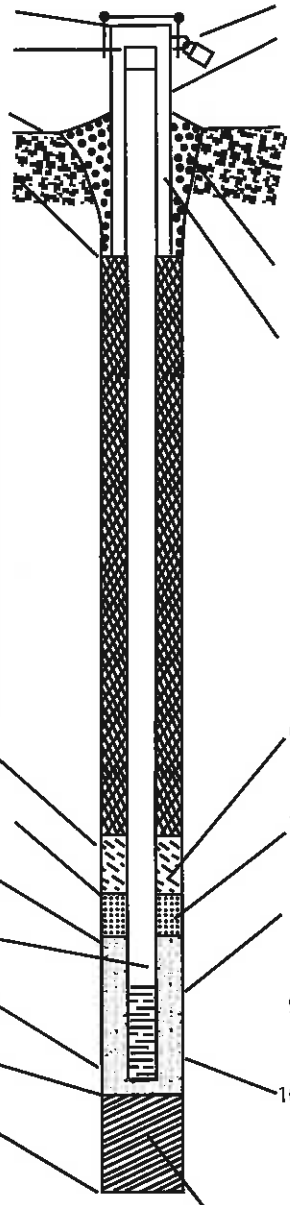
15. Drilling fluid used: Water ☐ 02 Air ☐ 01; Drilling Mud ☒ 03 None ☐ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of Water (attached analysis if required):
City of Madison

E. Bentonite seal, top _____ ft. MSL or 41.5 ft.
F. Fine sand, top _____ ft. MSL or 50.2 ft.
G. Filter pack, top _____ ft. MSL or 55.0 ft.
H. Screen joint, top _____ ft. MSL or 60.0 ft.
I. Well bottom _____ ft. MSL or 90.0 ft.
J. Filter pack, bottom _____ ft. MSL or 94.5 ft.
K. Borehole bottom _____ ft. MSL or 142.0 ft.
L. Borehole diameter 8.0 in.
M. O.D. well casing 2.3 in.
N. I.D. well casing 2.0 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 04; _____ Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30; Concrete ☒ 01; Portland Cement Other ☐ __
4. Material between well casing and protective pipe: Bentonite ☒ 30; Annular space seal ☐ __; _____ Other ☐ __
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. _____ Lbs/gal mud weight.....Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight.....Bentonite-slurry ☐ 31
d. 5 % Bentonite.....Bentonite-cement grout ☒ 50
e. 14.1 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08
6. Bentonite seal: a. Granular Bentonite ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. bentonite pellets ☒ 32
c. _____ Other ☐ __
7. Fine sand Material: Manufacturer, product name and mesh size
a. Chokersand 40/30 fine __
b. Volume added 1.7 ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. Red Flint #40 __
b. Volume added 13.8 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☐ 23; Flush threaded PVC schedule 80 ☒ 24; _____ Other ☐ __
10. Screen material: PVC
a. Screen type: Factory cut ☐ 11; Continuous slot ☒ 01; _____ Other ☐ __
b. Manufacturer Johnson
c. Slot size: .010 in.
d. Slotted length: 30 ft.
11. Backfill material (below filter pack): None ☐ 14; Bentonite Other ☒ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: _____ Firm: ARCADIS, 126 N. Jefferson Street, Milwaukee, WI (414) 276-7742

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 293, 295, and 299, Wis. Stats, and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

madison-kipp/WI001283/graphics/logs/mw19d const.ai

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A 7/98

Facility/Project Name: Madison-Kipp	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: MW-19D2	
Facility License, Permit or Monitoring Number	Local Grid Origin: Lat. _____ Long _____ or St. Plane 400150.92 ft. N, 2144078.13 ft. E	Wis. Unique Well Number	DNR Well Number
Facility ID: 113125320	Section Location of Waste/Source: 1/4 of SW 1/4 of Sec. 5 T. 7 N,R 10 ☒ E. ☐ W.	Date Well Installed: 11/19/2012	
Type of Well: Well Code ____/____	Location of Well Relative to Waste/Source: ☐ Upgradinet ☐ Sidegradient ☐ Downgradient ☒ Not Known	Well Installed by: Name (first, last) and Firm: Todd Schmelfeldt, Boart Longyear	
Distance from Waste/Source _____ ft.	Enf. Stds. Apply ☐		

A. Protective pipe, top elevation 867.44 ft. MSL
B. Well casing, top elevation 866.70 ft. MSL
C. Land surface elevation 867.44 ft. MSL
D. Surface seal, bottom 866.44 ft MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis attached? ☐ Yes ☒ No

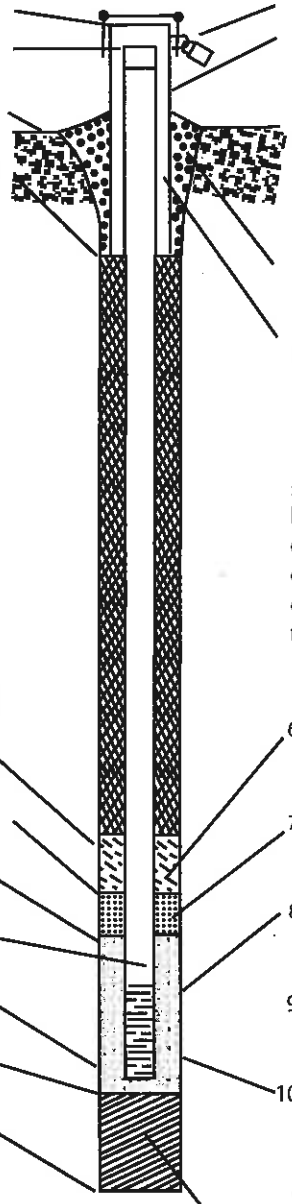
14. Drilling method used: Rotary ☒ 50; Hollow Stem Auger ☐ 41; _____ Other ☐ __

15. Drilling fluid used: Water ☐ 02 Air ☐ 01; Drilling Mud ☒ 03 None ☐ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of Water (attached analysis if required):
City of Madison



E. Bentonite seal, top _____ ft. MSL or 94.4 ft.
F. Fine sand, top _____ ft. MSL or -- ft.
G. Filter pack, top _____ ft. MSL or 104.7 ft.
H. Screen joint, top _____ ft. MSL or 110.0 ft.
I. Well bottom _____ ft. MSL or 140.0 ft.
J. Filter pack, bottom _____ ft. MSL or 142.0 ft.
K. Borehole bottom _____ ft. MSL or 142.0 ft.
L. Borehole diameter 8.0 in.
M. O.D. well casing 2.3 in.
N. I.D. well casing 2.0 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 04; _____ Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____

3. Surface seal: Bentonite ☐ 30; Concrete ☒ 01; Portland Cement Other ☐ __

4. Material between well casing and protective pipe: Bentonite ☒ 30; Annular space seal ☐ __; _____ Other ☐ __

5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. _____ Lbs/gal mud weight.....Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight.....Bentonite-slurry ☐ 31
d. 5 % Bentonite.....Bentonite-cement grout ☒ 50
e. 14.1 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08

6. Bentonite seal: a. Granular Bentonite ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. bentonite pellets ☒ 32
c. _____ Other ☐ __

7. Fine sand Material: Manufacturer, product name and mesh size
a. _____ __
b. Volume added _____ ft^3

8. Filter pack material: Manufacturer, product name and mesh size
a. Red Flint #40 __
b. Volume added 13.0 ft^3

9. Well casing: Flush threaded PVC schedule 40 ☐ 23; Flush threaded PVC schedule 80 ☒ 24; _____ Other ☐ __

10. Screen material: PVC
a. Screen type: Factory cut ☐ 11; Continuous slot ☒ 01; _____ Other ☐ __
b. Manufacturer Johnson
c. Slot size: .010 in.
d. Slotted length: 30 ft.

11. Backfill material (below filter pack): None ☐ 14; _____ Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm ARCADIS, 126 N. Jefferson Street, Milwaukee, WI (414) 276-7742

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 293, 295, and 299, Wis. Stats, and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

madison-kipp/WI001283/graphics/logs/mw19d2

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A 7/98

Facility/Project Name: Madison-Kipp	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-20D	
Facility License, Permit or Monitoring Number	Local Grid Origin: Lat. ____ Long ____ or St. Plane 400140.85 ft. N, 2144078.06 ft. E	Wis. Unique Well Number	DNR Well Number
Facility ID: 113125320	Section Location of Waste/Source: ____ 1/4 of SW 1/4 of Sec 5 T. 7 N,R 10 ☒ E. ☐ W.	Date Well Installed: 11/18/2012	
Type of Well: Well Code ____/____	Location of Well Relative to Waste/Source: ☐ Upgradinet ☐ Sidegradient ☐ Downgradient ☒ Not Known	Well Installed by: Name (first, last) and Firm: Todd Schmelfeldt, Boart Longyear	
Distance from Waste/Source ____ ft.	Enf. Stds. Apply ☐		

A. Protective pipe, top elevation 867.36 ft. MSL
B. Well casing, top elevation 866.96 ft. MSL
C. Land surface elevation 867.36 ft. MSL
D. Surface seal, bottom 866.36 ft MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☒ 50; Hollow Stem Auger ☐ 41; ____ Other ☐ __

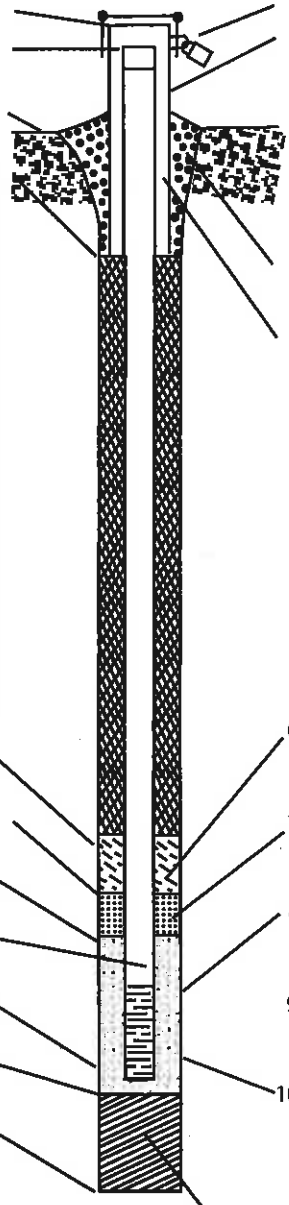
15. Drilling fluid used: Water ☐ 02 Air ☐ 01; Drilling Mud ☒ 03 None ☐ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

17. Source of Water (attached analysis if required):
City of Madison

E. Bentonite seal, top ____ ft. MSL or 38.5 ft.
F. Fine sand, top ____ ft. MSL or 49.9 ft.
G. Filter pack, top ____ ft. MSL or 54.9 ft.
H. Screen joint, top ____ ft. MSL or 60.0 ft.
I. Well bottom ____ ft. MSL or 90.0 ft.
J. Filter pack, bottom ____ ft. MSL or 94.5 ft.
K. Borehole bottom ____ ft. MSL or 142.0 ft.
L. Borehole diameter 8.0 in.
M. O.D. well casing 2.3 in.
N. I.D. well casing 2.0 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1.0 ft.
c. Material: ____ Steel ☒ 04 Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____

3. Surface seal: Portland Cement — Bentonite ☐ 30 Concrete ☒ 01 Other ☐ __
4. Material between well casing and protective pipe: ____ Bentonite ☒ 30 Annular space seal ☐ __ Other ☐ __
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. ____ Lbs/gal mud weight.....Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight.....Bentonite-slurry ☐ 31
d. 5 % Bentonite.....Bentonite-cement grout ☒ 50
e. 13.1 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Granular Bentonite ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. bentonite pellets ☒ 32
c. ____ Other ☐ __
7. Fine sand Material: Manufacturer, product name and mesh size
a. Chokersand 40/30 fine
b. Volume added 1.7 ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. Red Flint #40
b. Volume added 13.8 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☐ 23 Flush threaded PVC schedule 80 ☒ 24 ____ Other ☐ __
10. Screen material: PVC
a. Screen type: Factory cut ☐ 11 Continuous slot ☒ 01 ____ Other ☐ __
b. Manufacturer Johnson
c. Slot size: .010 in.
d. Slotted length: 30 ft.
11. Backfill material (below filter pack): Bentonite — None ☐ 14 Other ☒ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: ____ Firm: ARCADIS, 126 N. Jefferson Street, Milwaukee, WI (414) 276-7742

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 293, 295, and 299, Wis. Stats, and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A 7/98

Facility/Project Name: Madison-Kipp	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: MW-20D2
Facility License, Permit or Monitoring Number	Local Grid Origin: Lat. _____ Long _____ or St. Plane 400140.88 ft. N, 2144077.75 ft. E	Wis. Unique Well Number / DNR Well Number
Facility ID: 113125320	Section Location of Waste/Source: 1/4 of SW 1/4 of Sec. 5 T. 7 N, R 10 ☒ E. ☐ W.	Date Well Installed: 11/18/2012
Type of Well: Well Code ____/____	Location of Well Relative to Waste/Source: ☐ Upgradient ☐ Sidegradient ☐ Downgradient ☒ Not Known	Well Installed by: Name (first, last) and Firm: Todd Schmelfeldt, Boart Longyear
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐		

A. Protective pipe, top elevation 867.36 ft. MSL
B. Well casing, top elevation 867.04 ft. MSL
C. Land surface elevation 867.36 ft. MSL
D. Surface seal, bottom 866.36 ft MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☒ 50; Hollow Stem Auger ☐ 41; _____ Other ☐ __

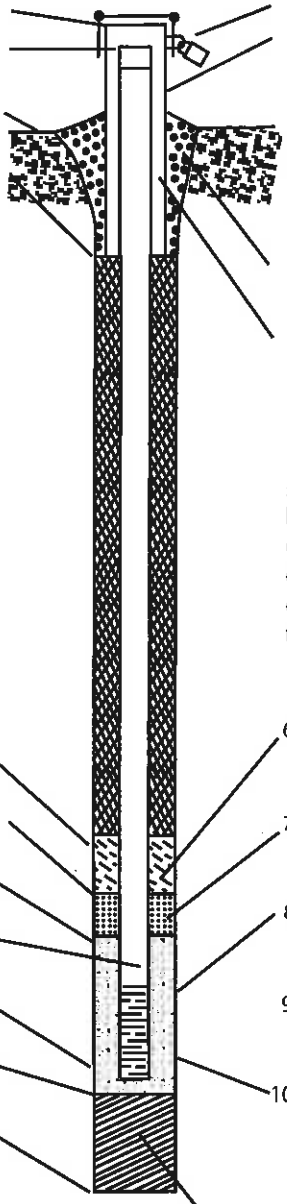
15. Drilling fluid used: Water ☐ 02 Air ☐ 01; Drilling Mud ☒ 03 None ☐ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of Water (attached analysis if required):
City of Madison

E. Bentonite seal, top _____ ft. MSL or 94.5 ft.
F. Fine sand, top _____ ft. MSL or -- ft.
G. Filter pack, top _____ ft. MSL or 104.7 ft.
H. Screen joint, top _____ ft. MSL or 110.0 ft.
I. Well bottom _____ ft. MSL or 140.0 ft.
J. Filter pack, bottom _____ ft. MSL or 142.0 ft.
K. Borehole bottom _____ ft. MSL or 142.0 ft.
L. Borehole diameter 8.0 in.
M. O.D. well casing 2.3 in.
N. I.D. well casing 2.0 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1.0 ft.
c. Material: _____ Steel ☒ 04 Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Portland Cement — Bentonite ☐ 30 Concrete ☒ 01 Other ☐ __
4. Material between well casing and protective pipe: _____ Bentonite ☒ 30 Annular space seal ☐ __ Other ☐ __
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. _____ Lbs/gal mud weight.....Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight.....Bentonite-slurry ☐ 31
d. 5 % Bentonite.....Bentonite-cement grout ☒ 50
e. 13.1 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Granular Bentonite ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. bentonite pellets ☒ 32
c. _____ Other ☐ __
7. Fine sand Material: Manufacturer, product name and mesh size
a. _____ __
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. Red Flint #40 __
b. Volume added 13.0 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☐ 23 Flush threaded PVC schedule 80 ☒ 24
_____ Other ☐ __
10. Screen material: PVC
a. Screen type: Factory cut ☐ 11 Continuous slot ☒ 01
_____ Other ☐ __
b. Manufacturer Johnson
c. Slot size: .010 in.
d. Slotted length: 30 ft.
11. Backfill material (below filter pack): _____ None ☐ 14 Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: _____ Firm: ARCADIS, 126 N. Jefferson Street, Milwaukee, WI (414) 276-7742

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 293, 295, and 299, Wis. Stats, and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A 7/98

Facility/Project Name: Madison-Kipp	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-21D	
Facility License, Permit or Monitoring Number	Local Grid Origin: Lat. ____ Long ____ or St. Plane 400110.83 ft. N, 2144075.86 ft. E	Wis. Unique Well Number	DNR Well Number
Facility ID: 113125320	Section Location of Waste/Source: ___1/4 of SW 1/4 of Sec. 5 T. 7 N,R 10 ☒ E. ☐ W.	Date Well Installed: 11/17/2012	
Type of Well: Well Code ____/____	Location of Well Relative to Waste/Source: ☐ Upgradinet ☐ Sidegradient ☐ Downgradient ☒ Not Known	Well Installed by: Name (first, last) and Firm: Todd Schmelfeldt, Boart Longyear	
Distance from Waste/Source ____ ft.	Enf. Stds. Apply ☐		

A. Protective pipe, top elevation 867.77 ft. MSL
B. Well casing, top elevation 867.49 ft. MSL
C. Land surface elevation 867.77 ft. MSL
D. Surface seal, bottom 866.77 ft MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☒ 50
Hollow Stem Auger ☐ 41
____ Other ☐ __

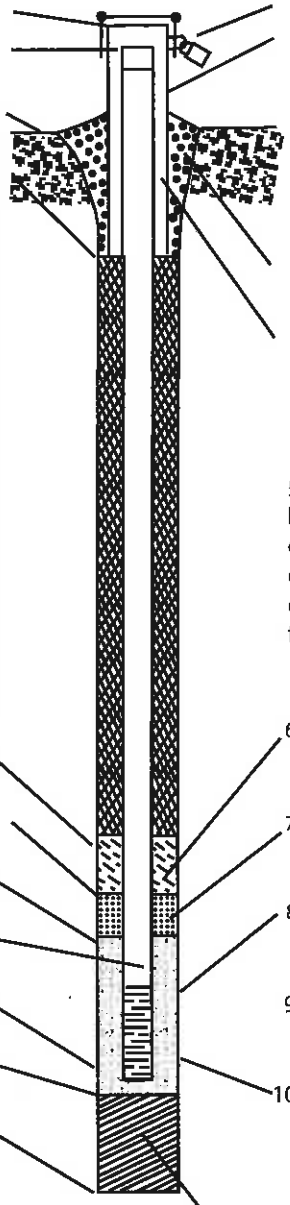
15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☒ 03 None ☐ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

17. Source of Water (attached analysis if required):
City of Madison

E. Bentonite seal, top ____ ft. MSL or 42.0 ft.
F. Fine sand, top ____ ft. MSL or 50.0 ft.
G. Filter pack, top ____ ft. MSL or 55.0 ft.
H. Screen joint, top ____ ft. MSL or 60.2 ft.
I. Well bottom ____ ft. MSL or 90.2 ft.
J. Filter pack, bottom ____ ft. MSL or 93.3 ft.
K. Borehole bottom ____ ft. MSL or 172.5 ft.
L. Borehole diameter 8.0 in.
M. O.D. well casing 2.3 in.
N. I.D. well casing 2.0 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 04
____ Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____

3. Surface seal: Bentonite ☐ 30
Concrete ☒ 01
Portland Cement Other ☐ __

4. Material between well casing and protective pipe:
Bentonite ☒ 30
Annular space seal ☐ __
____ Other ☐ __

5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. ____ Lbs/gal mud weight.....Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight.....Bentonite-slurry ☐ 31
d. 5 % Bentonite.....Bentonite-cement grout ☒ 50
e. 14.3 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☒ 08

6. Bentonite seal: a. Granular Bentonite ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. bentonite pellets ☒ 32
c. ____ Other ☐ __

7. Fine sand Material: Manufacturer, product name and mesh size
a. Chokersand 40/30 fine __
b. Volume added 1.7 ft^3

8. Filter pack material: Manufacturer, product name and mesh size
a. Red Flint #40 __
b. Volume added 13.4 ft^3

9. Well casing: Flush threaded PVC schedule 40 ☐ 23
Flush threaded PVC schedule 80 ☒ 24
____ Other ☐ __

10. Screen material: PVC
a. Screen type: Factory cut ☐ 11
Continuous slot ☒ 01
____ Other ☐ __
b. Manufacturer Johnson
c. Slot size: .010 in.
d. Slotted length: 30 ft.

11. Backfill material (below filter pack): None ☐ 14
Bentonite Other ☒ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: ____ Firm: ARCADIS, 126 N. Jefferson Street, Milwaukee, WI (414) 276-7742

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 293, 295, and 299, Wis. Stats, and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A 7/98

Facility/Project Name: Madison-Kipp	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: MW-21D2	
Facility License, Permit or Monitoring Number	Local Grid Origin: Lat. _____ Long _____ or St. Plane 400110.88 ft. N, 2144075.60 ft. E	Wis. Unique Well Number	DNR Well Number
Facility ID: 113125320	Section Location of Waste/Source: ___1/4 of SW 1/4 of Sec. 5 T. 7 N,R 10 ☒ E. ☐ W.	Date Well Installed: 11/17/2012	
Type of Well: Well Code ____/____	Location of Well Relative to Waste/Source: ☐ Upgradinet ☐ Sidegradient ☐ Downgradient ☒ Not Known	Well Installed by: Name (first, last) and Firm: Todd Schmelfeldt, Boart Longyear	
Distance from Waste/Source _____ ft.	Enf. Stds. Apply ☐		

A. Protective pipe, top elevation 867.77 ft. MSL
B. Well casing, top elevation 867.46 ft. MSL
C. Land surface elevation 867.77 ft. MSL
D. Surface seal, bottom 866.77 ft MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☒ 50; Hollow Stem Auger ☐ 41; _____ Other ☐ __

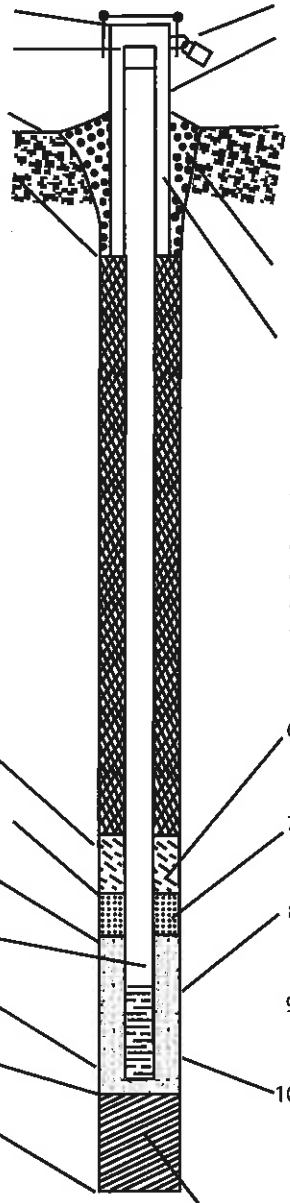
15. Drilling fluid used: Water ☐ 02 Air ☐ 01; Drilling Mud ☒ 03 None ☐ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of Water (attached analysis if required):
City of Madison

E. Bentonite seal, top _____ ft. MSL or 93.0 ft.
F. Fine sand, top _____ ft. MSL or -- ft.
G. Filter pack, top _____ ft. MSL or 104.0 ft.
H. Screen joint, top _____ ft. MSL or 110.0 ft.
I. Well bottom _____ ft. MSL or 170.0 ft.
J. Filter pack, bottom _____ ft. MSL or 172.5 ft.
K. Borehole bottom _____ ft. MSL or 172.5 ft.
L. Borehole diameter 8.0 in.
M. O.D. well casing 2.3 in.
N. I.D. well casing 2.0 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1.0 ft.
c. Material: _____ Steel ☒ 04 Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Portland Cement — Bentonite ☐ 30 Concrete ☒ 01 Other ☐ __
4. Material between well casing and protective pipe: _____ Bentonite ☒ 30 Annular space seal ☐ __ Other ☐ __
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. _____ Lbs/gal mud weight.....Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight.....Bentonite-slurry ☐ 31
d. 5 % Bentonite.....Bentonite-cement grout ☒ 50
e. 14.3 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Granular Bentonite ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. bentonite pellets ☒ 32
c. _____ Other ☐ __
7. Fine sand Material: Manufacturer, product name and mesh size
a. _____ __
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. Red Flint #40 __
b. Volume added 23.9 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☐ 23 Flush threaded PVC schedule 80 ☒ 24
_____ Other ☐ __
10. Screen material: PVC
a. Screen type: Factory cut ☐ 11 Continuous slot ☒ 01
_____ Other ☐ __
b. Manufacturer Johnson
c. Slot size: .010 in.
d. Slotted length: 60 ft.
11. Backfill material (below filter pack): None ☐ 14
_____ Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: _____ Firm: ARCADIS, 126 N. Jefferson Street, Milwaukee, WI (414) 276-7742

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 293, 295, and 299, Wis. Stats, and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A 7/98

Facility/Project Name: Madison-Kipp	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: MW-22S
Facility License, Permit or Monitoring Number	Local Grid Origin: Lat. _____ Long _____ or St. Plane 399769.18 ft. N, 2144125.22 ft. E	Wis. Unique Well Number / DNR Well Number
Facility ID: 113125320	Section Location of Waste/Source: ___1/4 of ___1/4 of Sec___ T.___N,R___ ☐ E. ☐ W.	Date Well Installed: 01/05/2013
Type of Well: Well Code ___/___	Location of Well Relative to Waste/Source: ☐ Upgradinet ☐ Sidegradient ☐ Downgradient ☐ Not Known	Well Installed by: Name (first, last) and Firm: Todd Schmelfeldt, Boart Longyear
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐		

A. Protective pipe, top elevation 874.45 ft. MSL
B. Well casing, top elevation 874.12 ft. MSL
C. Land surface elevation 874.45 ft. MSL
D. Surface seal, bottom _____ ft MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

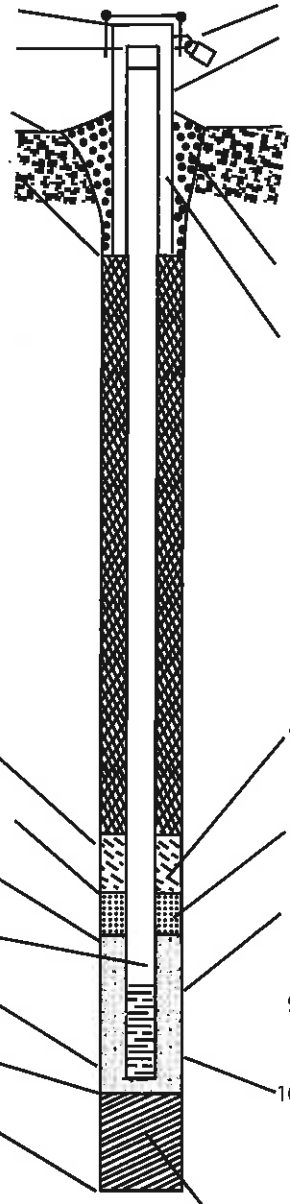
14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☐ 41
Minisonic Other ☒ __

15. Drilling fluid used: Water ☒ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☐ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe N/A

17. Source of Water (attached analysis if required):
City of Madison



E. Bentonite seal, top _____ ft. MSL or 1.0 ft.
F. Fine sand, top _____ ft. MSL or 21.0 ft.
G. Filter pack, top _____ ft. MSL or 23.0 ft.
H. Screen joint, top _____ ft. MSL or 25.0 ft.
I. Well bottom _____ ft. MSL or 35.0 ft.
J. Filter pack, bottom _____ ft. MSL or 37.0 ft.
K. Borehole bottom _____ ft. MSL or 50.0 ft.
L. Borehole diameter 8.0 in.
M. O.D. well casing 2.375 in.
N. I.D. well casing 2.0 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04 Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____

3. Surface seal: Bentonite ☐ 30 Concrete ☒ 01 Other ☐ __

4. Material between well casing and protective pipe:
Bentonite ☒ 30 Annular space seal ☐ __ Other ☐ __

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight.....Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight.....Bentonite-slurry ☐ 31
d. _____ % Bentonite.....Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08

6. Bentonite seal: a. Granular Bentonite ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. bentonite pellets ☒ 32
c. _____ Other ☐ __

7. Fine sand Material: Manufacturer, product name and mesh size
a. Unimin 4030 __
b. Volume added 0.7 ft^3

8. Filter pack material: Manufacturer, product name and mesh size
a. Red Flint #40 __
b. Volume added 4.9 ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
_____ Other ☐ __

10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01
_____ Other ☐ __
b. Manufacturer Johnson
c. Slot size: .010 in.
d. Slotted length: 10 ft.

11. Backfill material (below filter pack): None ☐ 14
bentonite 3/8" chips Other ☒ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm ARCADIS 126 N. Jefferson Street Milwaukee, WI (414) 276-7742

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madison-kipp/WI001283/graphics/logs/mw22s const.ai

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A 7/98

Facility/Project Name: Madison-Kipp	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-22D
Facility License, Permit or Monitoring Number:	Local Grid Origin: Lat. ____ Long ____ or St. Plane 399769.19 ft. N, 2144125.35 ft. E	Wis. Unique Well Number: / DNR Well Number:
Facility ID: 113125320	Section Location of Waste/Source: ____ 1/4 of ____ 1/4 of Sec. ____ T. ____ N,R ____ ☐ E. ☐ W.	Date Well Installed: 01/05/2013
Type of Well: Well Code ____/____	Location of Well Relative to Waste/Source: ☐ Upgradinet ☐ Sidegradient ☐ Downgradient ☐ Not Known	Well Installed by: Name (first, last) and Firm: Todd Schmelfeldt, Boart Longyear
Distance from Waste/Source ____ ft.	Enf. Stds. Apply ☐	

A. Protective pipe, top elevation 874.45 ft. MSL
B. Well casing, top elevation 874.15 ft. MSL
C. Land surface elevation 874.45 ft. MSL
D. Surface seal, bottom ____ ft MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis attached? ☐ Yes ☒ No

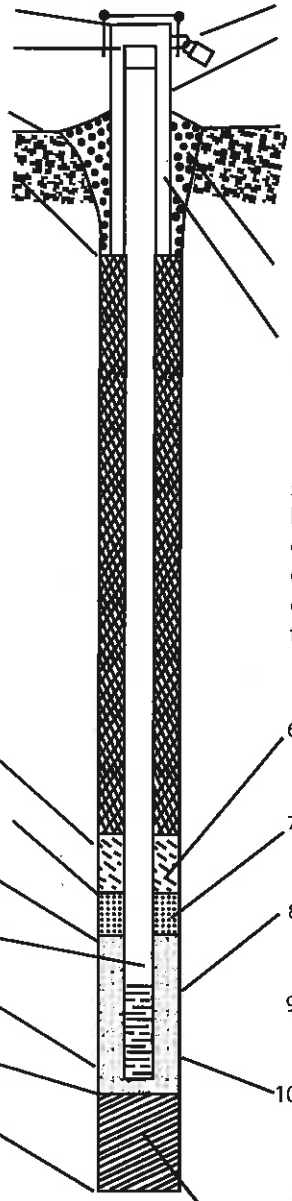
14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☐ 41
Minisonic Other ☒ __

15. Drilling fluid used: Water ☒ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☐ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe N/A

17. Source of Water (attached analysis if required):
City of Madison

E. Bentonite seal, top ____ ft. MSL or 1.0 ft.
F. Fine sand, top ____ ft. MSL or 41.0 ft.
G. Filter pack, top ____ ft. MSL or 43.0 ft.
H. Screen joint, top ____ ft. MSL or 45.0 ft.
I. Well bottom ____ ft. MSL or 50.0 ft.
J. Filter pack, bottom ____ ft. MSL or 50.0 ft.
K. Borehole bottom ____ ft. MSL or 50.0 ft.
L. Borehole diameter 8.0 in.
M. O.D. well casing 2.375 in.
N. I.D. well casing 2.0 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04 Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____

3. Surface seal: Bentonite ☐ 30 Concrete ☒ 01 Other ☐ __

4. Material between well casing and protective pipe:
Bentonite ☒ 30 Annular space seal ☐ __ Other ☐ __

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. ____ Lbs/gal mud weight.....Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight.....Bentonite-slurry ☐ 31
d. ____ % Bentonite.....Bentonite-cement grout ☐ 50
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08

6. Bentonite seal: a. Granular Bentonite ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. bentonite pellets ☒ 32
c. ____ Other ☐ __

7. Fine sand Material: Manufacturer, product name and mesh size
a. Unimin 4030 __
b. Volume added 0.7 ft^3

8. Filter pack material: Manufacturer, product name and mesh size
a. Red Flint #40 __
b. Volume added 2.4 ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
____ Other ☐ __

10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01
____ Other ☐ __
b. Manufacturer Johnson
c. Slot size: .010 in.
d. Slotted length: 5 ft.

11. Backfill material (below filter pack): None ☒ 14
____ Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [signature]

Firm: ARCADIS
126 N. Jefferson Street
Milwaukee, WI (414) 276-7742

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 293, 295, and 299, Wis. Stats, and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

madison-kipp/WI001283/graphics/logs/mw22d const.ai

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A 7/98

Facility/Project Name: Madison-Kipp	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: MW-23S	
Facility License, Permit or Monitoring Number	Local Grid Origin: Lat. _____ Long _____ or St. Plane 399647.37 ft. N, 214453.52 ft. E	Wis. Unique Well Number	DNR Well Number
Facility ID: 113125320		Date Well Installed: 01/03/2013	
Type of Well: Well Code ____/____	Section Location of Waste/Source: ___1/4 of ___1/4 of Sec___ T.___ N,R ___ ☐ E. ☐ W.	Well Installed by: Name (first, last) and Firm: Todd Schmelfeldt, Boart Longyear	
Distance from Waste/Source _____ ft. Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: ☐ Upgradinet ☐ Sidegradient ☐ Downgradient ☐ Not Known		

A. Protective pipe, top elevation 874.55 ft. MSL
B. Well casing, top elevation 874.20 ft. MSL
C. Land surface elevation 874.55 ft. MSL
D. Surface seal, bottom _____ ft MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

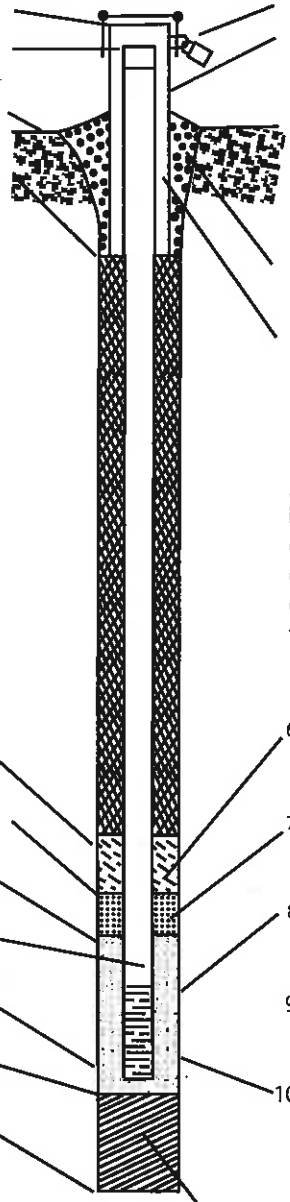
14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☐ 41
Minisonic Other ☒ __

15. Drilling fluid used: Water ☒ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☐ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe N/A

17. Source of Water (attached analysis if required):
City of Madison

E. Bentonite seal, top _____ ft. MSL or 1.0 ft.
F. Fine sand, top _____ ft. MSL or 21.0 ft.
G. Filter pack, top _____ ft. MSL or 23.0 ft.
H. Screen joint, top _____ ft. MSL or 25.0 ft.
I. Well bottom _____ ft. MSL or 35.0 ft.
J. Filter pack, bottom _____ ft. MSL or 37.0 ft.
K. Borehole bottom _____ ft. MSL or 50.0 ft.
L. Borehole diameter 8.0 in.
M. O.D. well casing 2.375 in.
N. I.D. well casing 2.0 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1 ft.
c. Material: _____ Steel ☒ 04 Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____

3. Surface seal: _____ Bentonite ☐ 30 Concrete ☒ 01 Other ☐ __

4. Material between well casing and protective pipe: _____ Bentonite ☒ 30 Annular space seal ☐ __ Other ☐ __

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight.....Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight.....Bentonite-slurry ☐ 31
d. _____ % Bentonite.....Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08

6. Bentonite seal: a. Granular Bentonite ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. bentonite pellets ☒ 32
c. _____ Other ☐ __

7. Fine sand Material: Manufacturer, product name and mesh size
a. Unimin 4030 __
b. Volume added 0.7 ft^3

8. Filter pack material: Manufacturer, product name and mesh size
a. Red Flint #40 __
b. Volume added 4.9 ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
_____ Other ☐ __

10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 _____ Other ☐ __
b. Manufacturer Johnson
c. Slot size: .010 in.
d. Slotted length: 10 ft.

11. Backfill material (below filter pack): None ☐ 14
bentonite 3/8" chips Other ☒ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm ARCADIS, 126 N. Jefferson Street, Milwaukee, WI (414) 276-7742

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 293, 295, and 299, Wis. Stats, and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

madison-kipp/WI001283/graphics/logs/mw23s const.ai

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A 7/98

Facility/Project Name: Madison-Kipp	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: MW-23D
Facility License, Permit or Monitoring Number	Local Grid Origin: Lat. _____ Long _____ or St. Plane 399647.35 ft. N, 2144053.95 ft. E	Wis. Unique Well Number / DNR Well Number
Facility ID: 113125320	Section Location of Waste/Source: ___1/4 of ___1/4 of Sec. ___ T. ___ N,R ___ ☐ E. ☐ W.	Date Well Installed: 01/03/2013
Type of Well: Well Code ____/____	Location of Well Relative to Waste/Source: ☐ Upgradinet ☐ Sidegradient ☐ Downgradient ☐ Not Known	Well Installed by: Name (first, last) and Firm: Todd Schmelfeldt, Boart Longyear
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐		

A. Protective pipe, top elevation 874.55 ft. MSL
B. Well casing, top elevation 874.27 ft. MSL
C. Land surface elevation 874.55 ft. MSL
D. Surface seal, bottom _____ ft MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis attached? ☐ Yes ☒ No

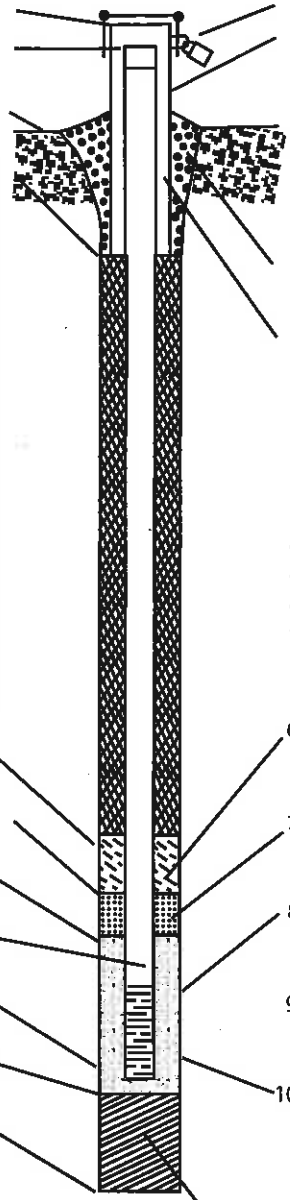
14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☐ 41 / Minisonic / Other ☒ __

15. Drilling fluid used: Water ☒ 02 Air ☐ 01 Drilling Mud ☐ 03 None ☐ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe N/A

17. Source of Water (attached analysis if required):
City of Madison

E. Bentonite seal, top _____ ft. MSL or 1.0 ft.
F. Fine sand, top _____ ft. MSL or 41.0 ft.
G. Filter pack, top _____ ft. MSL or 43.0 ft.
H. Screen joint, top _____ ft. MSL or 45.0 ft.
I. Well bottom _____ ft. MSL or 50.0 ft.
J. Filter pack, bottom _____ ft. MSL or 50.0 ft.
K. Borehole bottom _____ ft. MSL or 50.0 ft.
L. Borehole diameter 8.0 in.
M. O.D. well casing 2.375 in.
N. I.D. well casing 2.0 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1 ft.
c. Material: _____ Steel ☒ 04 Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: _____ Bentonite ☐ 30 Concrete ☒ 01 Other ☐ __
4. Material between well casing and protective pipe: _____ Bentonite ☒ 30 Annular space seal ☐ __ Other ☐ __
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight.....Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight.....Bentonite-slurry ☐ 31
d. _____ % Bentonite.....Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Granular Bentonite ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. bentonite pellets ☒ 32
c. _____ Other ☐ __
7. Fine sand Material: Manufacturer, product name and mesh size
a. Unimin 4030 __
b. Volume added 0.7 ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. Red Flint #40 __
b. Volume added 2.4 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 _____ Other ☐ __
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 _____ Other ☐ __
b. Manufacturer Johnson
c. Slot size: .010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): _____ None ☒ 14 Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: _____ Firm: ARCADIS, 126 N. Jefferson Street, Milwaukee, WI (414) 276-7742

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 293, 295, and 299, Wis. Stats, and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

madison-kipp/WI001283/graphics/logs/mw23d const.ai

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: M K C	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: MW-24
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No. / DNR Well ID No.
Facility ID	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 03/28/13 (m m d d y y y y)
Type of Well: Well Code ____/____	Section Location of Waste/Source: ____1/4 of ____1/4 of Sec. ____, T. ____ N, R. ____ ☐E ☐W	Well Installed By: Name (first, last) and Firm: Badger State Drilling, Alex Plummer
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number

A. Protective pipe, top elevation ___Flush ft. MSL

B. Well casing, top elevation ____-3 ft. MSL

C. Land surface elevation ____00 ft. MSL

D. Surface seal, bottom _____ ft. MSL or ____ ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50 Hollow Stem Auger ☒ 41 Other ☐ _____

15. Drilling fluid used: Water ☐ 02 Air ☐ 01 Drilling Mud ☐ 03 None ☐ 99

16. Drilling additives used? ☐ Yes ☐ No
Describe _____

17. Source of water (attach analysis, if required):
_____

E. Bentonite seal, top _____ ft. MSL or __1__ ft.

F. Fine sand, top _____ ft. MSL or __26__ ft.

G. Filter pack, top _____ ft. MSL or __28__ ft.

H. Screen joint, top _____ ft. MSL or __30__ ft.

I. Well bottom _____ ft. MSL or __40__ ft.

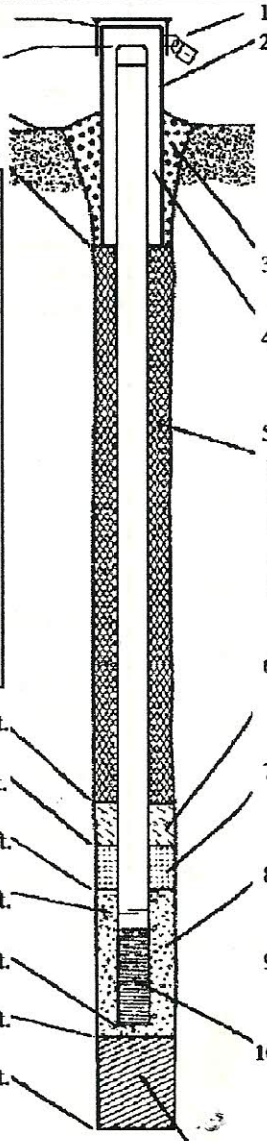
J. Filter pack, bottom _____ ft. MSL or __43__ ft.

K. Borehole, bottom _____ ft. MSL or __43__ ft.

L. Borehole, diameter __8.0 in.

M. O.D. well casing __2.38 in.

N. I.D. well casing __2.0 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: __9 in.
b. Length: __L ft.
c. Material: Steel ☒ 04 Other ☐ _____
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30 Concrete ☒ 01 Other ☐ _____
4. Material between well casing and protective pipe: Bentonite ☒ 30 Other ☐ _____
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 7.5 Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ _____
7. Fine sand material: Manufacturer, product name & mesh size
a. OHIO 40-60
b. Volume added .6 ft³
8. Filter pack material: Manufacturer, product name & mesh size
a. OHIO #5
b. Volume added 4.5 ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐ _____
10. Screen material: Sch 40 PVC
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐ _____
b. Manufacturer MONO FLEX
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☐ 14 Other ☐ _____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: _____ Firm: Badger State Drilling, Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A 7/98

Facility/Project Name: Madision-Kipp	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: MW-25D
Facility License, Permit or Monitoring Number:	Local Grid Origin: Lat. _____ Long _____ or St. Plane 398730.9 ft. N, 2144829.8 ft. E	Wis. Unique Well Number: VN190 / DNR Well Number:
Facility ID: 113125320	Section Location of Waste/Source: _____ 1/4 of _____ 1/4 of Sec. _____ T. _____ N,R _____ ☐ E. ☐ W.	Date Well Installed: 05/02/2013
Type of Well: Well Code ____/____	Location of Well Relative to Waste/Source: ☐ Upgradinet ☐ Sidegradient ☐ Downgradient ☐ Not Known	Well Installed by: Name (first, last) and Firm: Todd Schmelfeldt, Boart Longyear
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐		

A. Protective pipe, top elevation 886.97 ft. MSL
B. Well casing, top elevation 886.69 ft. MSL
C. Land surface elevation 886.97 ft. MSL
D. Surface seal, bottom 886.47 ft MSL or 0.5 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☒ 50 / Hollow Stem Auger ☐ 41 / _____ Other ☐ __

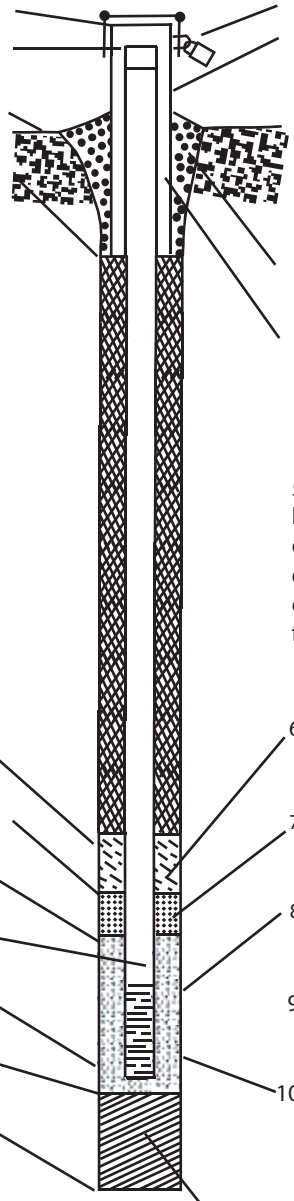
15. Drilling fluid used: Water ☒ 02 Air ☐ 01 Drilling Mud ☒ 03 None ☐ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of Water (attached analysis if required):
City of Madison Public Water

E. Bentonite seal, top 775.97 ft. MSL or 111.0 ft.
F. Fine sand, top 770.97 ft. MSL or 116.0 ft.
G. Filter pack, top 768.97 ft. MSL or 118.0 ft.
H. Screen joint, top 766.97 ft. MSL or 120.0 ft.
I. Well bottom 756.97 ft. MSL or 130.0 ft.
J. Filter pack, bottom 751.97 ft. MSL or 135.0 ft.
K. Borehole bottom 656.97 ft. MSL or 230.0 ft.
L. Borehole diameter 8.0 in.
M. O.D. well casing 2.3 in.
N. I.D. well casing 1.9 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 12 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 04 / Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30 / Concrete ☒ 01 / Other ☐ __
4. Material between well casing and protective pipe: Bentonite ☒ 30 / Annular space seal ☐ __ / Other ☐ __
5. Annular space seal: a. Granular Bentonite ☐ 33
b. _____ Lbs/gal mud weight..... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight..Bentonite-cement grout ☐ 31
d. 5 % Bentonite..... Bentonite-cement grout ☒ 50
e. 155 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☒ 02 / Gravity ☐ 08
6. Bentonite seal: a. Granular Bentonite ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. bentonite pellets ☒ 32
c. _____ Other ☐ __
7. Fine sand Material: Manufacturer, product name and mesh size
a. Unimin 2040 __
b. Volume added 2.8 ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. Red Flint #40 __
b. Volume added 23.7 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☐ 23 / Flush threaded PVC schedule 80 ☒ 24 / _____ Other ☐ __
10. Screen material: PVC Sch. 80
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / _____ Other ☐ __
b. Manufacturer Johnson
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☐ 14
3/8" Bentonite Chips Other ☒ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm ARCADIS, 126 N. Jefferson Street, Milwaukee, WI (414) 276-7742

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State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A 7/98

Facility/Project Name: Madision-Kipp	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: MW-25D2
Facility License, Permit or Monitoring Number:	Local Grid Origin: Lat. _____ Long _____ or St. Plane 398730.9 ft. N, 2144829.8 ft. E	Wis. Unique Well Number: VN191 / DNR Well Number:
Facility ID: 113125320	Section Location of Waste/Source: _____ 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R _____ ☐ E. ☐ W.	Date Well Installed: 05/02/2013
Type of Well: Well Code ____/____	Location of Well Relative to Waste/Source: ☐ Upgradinet ☐ Sidegradient ☐ Downgradient ☐ Not Known	Well Installed by: Name (first, last) and Firm: Todd Schmelfeldt, Boart Longyear
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐		

A. Protective pipe, top elevation 886.97 ft. MSL
B. Well casing, top elevation 886.68 ft. MSL
C. Land surface elevation 886.97 ft. MSL
D. Surface seal, bottom 886.47 ft MSL or 0.5 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis attached? ☐ Yes ☒ No

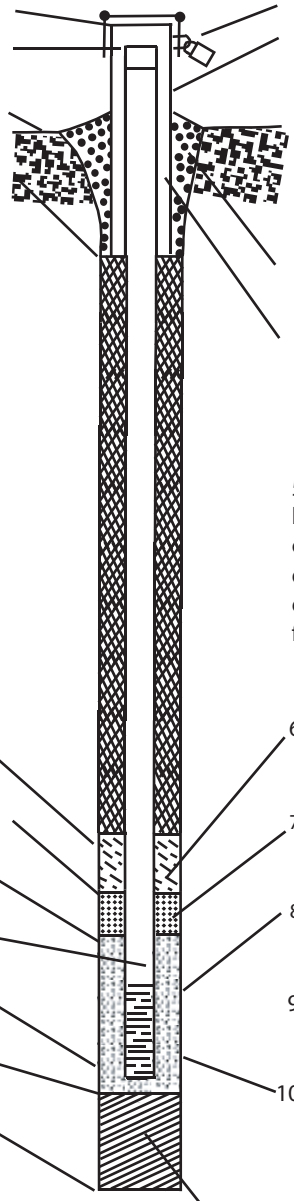
14. Drilling method used: Rotary ☒ 50 / Hollow Stem Auger ☐ 41 / _____ Other ☐ __

15. Drilling fluid used: Water ☒ 02 / Air ☐ 01 / Drilling Mud ☒ 03 / None ☐ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of Water (attached analysis if required):
City of Madison Public Water

E. Bentonite seal, top 751.97 ft. MSL or 135.0 ft.
F. Fine sand, top _____ ft. MSL or _____ ft.
G. Filter pack, top 728.97 ft. MSL or 158.0 ft.
H. Screen joint, top 726.97 ft. MSL or 160.0 ft.
I. Well bottom 716.97 ft. MSL or 170.0 ft.
J. Filter pack, bottom 711.97 ft. MSL or 175.0 ft.
K. Borehole bottom 656.97 ft. MSL or 230.0 ft.
L. Borehole diameter 8.0 in.
M. O.D. well casing 2.3 in.
N. I.D. well casing 1.9 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 12 in.
b. Length: 1.0 ft.
c. Material: _____ Steel ☒ 04 / Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: _____ Bentonite ☐ 30 / Concrete ☒ 01 / Other ☐ __
4. Material between well casing and protective pipe: _____ Bentonite ☒ 30 / Annular space seal ☐ __ / Other ☐ __
5. Annular space seal: a. Granular Bentonite ☒ 33
b. _____ Lbs/gal mud weight..... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight.. Bentonite-cement grout ☐ 31
d. 5 % Bentonite..... Bentonite-cement grout ☒ 50
e. 188.5 Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☒ 02 / Gravity ☒ 08
6. Bentonite seal: a. Granular Bentonite ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. bentonite pellets ☒ 32
c. _____ Other ☐ __
7. Fine sand Material: Manufacturer, product name and mesh size
a. N/A __
b. Volume added N/A ft³
8. Filter pack material: Manufacturer, product name and mesh size
a. Red Flint #40 __
b. Volume added 23.7 ft³
9. Well casing: Flush threaded PVC schedule 40 ☐ 23 / Flush threaded PVC schedule 80 ☒ 24 / _____ Other ☐ __
10. Screen material: PVC Sch. 80
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / _____ Other ☐ __
b. Manufacturer Johnson
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): 3/8" Bentonite Chips None ☐ 14 / Other ☒ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm ARCADIS, 126 N. Jefferson Street, Milwaukee, WI (414) 276-7742

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 293, 295, and 299, Wis. Stats, and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A 7/98

Facility/Project Name: Madision-Kipp Corporation	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: MW-26S
Facility License, Permit or Monitoring Number:	Local Grid Origin: Lat. _____ Long _____ or St. Plane 400493.61 ft. N, 2144047.26 ft. E	Wis. Unique Well Number: PM697 / DNR Well Number:
Facility ID: 113125320		Date Well Installed: 08/21/2013
Type of Well: Well Code ____/____	Section Location of Waste/Source: ___ 1/4 of ___ 1/4 of Sec ___ T. ___ N,R ___ ☐ E. ☐ W.	Well Installed by: Name (first, last) and Firm: Ryan Fett, Giles Engineering
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: ☐ Upgradinet ☐ Sidegradient ☐ Downgradient ☐ Not Known	

A. Protective pipe, top elevation 857.51 ft. MSL
B. Well casing, top elevation 856.61 ft. MSL
C. Land surface elevation 857.51 ft. MSL
D. Surface seal, bottom 857.01 ft MSL or 0.5 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☒ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

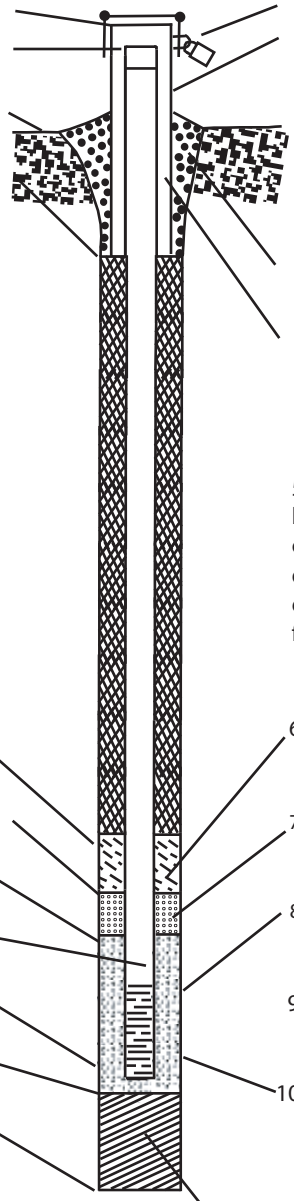
14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☒ 41 / _____ Other ☐ __

15. Drilling fluid used: Water ☐ 02 Air ☐ 01 Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of Water (attached analysis if required):
_____

E. Bentonite seal, top 856.51 ft. MSL or 1.0 ft.
F. Fine sand, top 852.51 ft. MSL or 5.0 ft.
G. Filter pack, top 851.51 ft. MSL or 6.0 ft.
H. Screen joint, top 850.66 ft. MSL or 6.85 ft.
I. Well bottom 840.66 ft. MSL or 16.85 ft.
J. Filter pack, bottom 840.66 ft. MSL or 16.85 ft.
K. Borehole bottom 839.51 ft. MSL or 18 ft.
L. Borehole diameter 8.0 in.
M. O.D. well casing 2.3 in.
N. I.D. well casing 2.0 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 04 / _____ Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30 / Concrete ☒ 01 / _____ Other ☐ __
4. Material between well casing and protective pipe: Bentonite ☒ 30 / Annular space seal ☐ __ / _____ Other ☐ __
5. Annular space seal: a. Granular Bentonite ☒ 33
b. _____ Lbs/gal mud weight..... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight.. Bentonite-cement grout ☐ 31
d. _____ % Bentonite..... Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☒ 08
6. Bentonite seal: a. Granular Bentonite ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. bentonite pellets ☒ 32
c. 1 bag Other ☐ __
7. Fine sand Material: Manufacturer, product name and mesh size
a. #15 Red Flint __
b. Volume added 1 bag ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. #40 Red Flint __
b. Volume added 6 bags ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24 / _____ Other ☐ __
10. Screen material: PVC Sch. 40
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / _____ Other ☐ __
b. Manufacturer Johnson
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☐ 14 / Red Flint #40 Other ☒ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Dal Kl | Firm: ARCADIS, 126 N. Jefferson Street, Milwaukee, WI (414) 276-7742

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 293, 295, and 299, Wis. Stats, and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

madisonkipp/WI001283/graphics/logs/mw26s construction.ai

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A 7/98

Facility/Project Name: Madison-Kipp	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-27D
Facility License, Permit or Monitoring Number:	Local Grid Origin: Lat. ____ Long ____ or St. Plane 401658.63 ft. N, 2143889.24 ft. E	Wis. Unique Well Number: VN147 / DNR Well Number:
Facility ID: 113125320	Section Location of Waste/Source: ____ 1/4 of ____ 1/4 of Sec ____ T. ____ N,R ____ ☒ E. ☐ W.	Date Well Installed: 12/19/2013
Type of Well: Monitoring Well Well Code ____/____	Location of Well Relative to Waste/Source: ☐ Upgradinet ☐ Sidegradient ☐ Downgradient ☐ Not Known	Well Installed by: Name (first, last) and Firm: Todd Schmalfeldt, Cascade Drilling
Distance from Waste/Source ____ ft. Enf. Stds. Apply ☐		

A. Protective pipe, top elevation 862.96 ft. MSL
B. Well casing, top elevation 862.65 ft. MSL
C. Land surface elevation 862.96 ft. MSL
D. Surface seal, bottom 860.96 ft MSL or 2 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis attached? ☐ Yes ☒ No

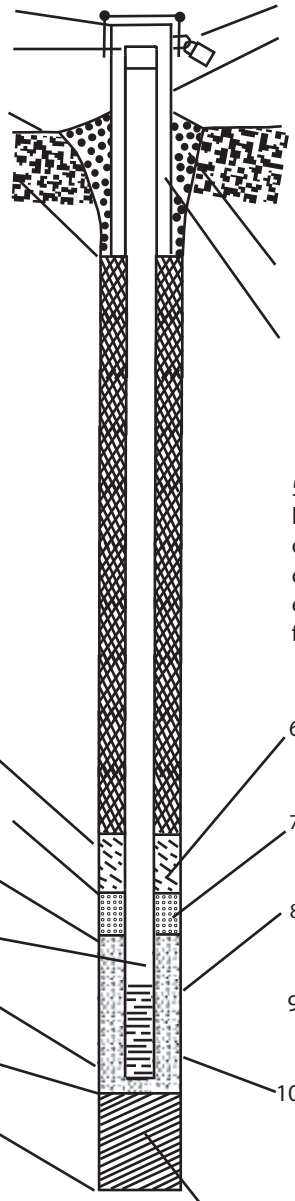
14. Drilling method used: Rotary ☒ 50 / Hollow Stem Auger ☐ 41 / ____ Other ☐ __

15. Drilling fluid used: Water ☐ 02 Air ☐ 01 Drilling Mud ☒ 03 None ☐ 99

16. Drilling additives used? ☒ Yes ☐ No
Describe Quik Gel

17. Source of Water (attached analysis if required):
Fire Hydrant (County Water)

E. Bentonite seal, top ____ ft. MSL or ____ ft.
F. Fine sand, top ____ ft. MSL or ____ ft.
G. Filter pack, top 735.96 ft. MSL or 127.0 ft.
H. Screen joint, top 732.96 ft. MSL or 130.0 ft.
I. Well bottom 722.96 ft. MSL or 140.0 ft.
J. Filter pack, bottom 722.96 ft. MSL or 140.0 ft.
K. Borehole bottom 635.96 ft. MSL or 227.0 ft.
L. Borehole diameter 8.0 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.07 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 12 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 04 / ____ Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☐ 30 / Concrete ☒ 01 / Portland Cement / Other ☐ __
4. Material between well casing and protective pipe: Bentonite ☒ 30 / Annular space seal ☐ __ / ____ Other ☐ __
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. ____ Lbs/gal mud weight.....Bentonite-sand slurry ☐ 35
c. 3.3 Lbs/gal mud weight.....Bentonite-grout ☒ 31
d. ____ % Bentonite.....Bentonite-cement grout ☐ 50
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☐ 08
6. Bentonite seal: a. Granular Bentonite ☐ 33
b. ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. bentonite pellets ☐ 32
c. Hole Collapse (none) Other ☒ __
7. Fine sand Material: Manufacturer, product name and mesh size
a. ____ __
b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. Red Flint #40 __
b. Volume added 250 pounds ft^3
9. Well casing: Flush threaded PVC schedule 40 ☐ 23 / Flush threaded PVC schedule 80 ☒ 24 / ____ Other ☐ __
10. Screen material: Sch 80 PVC
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / ____ Other ☐ __
b. Manufacturer Johnson
c. Slot size: .010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☐ 14 / Sodium Bentonite Hole Plug Other ☒ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Dail Kl

Firm: ARCADIS
126 N. Jefferson Street
Milwaukee, WI (414) 276-7742

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 293, 295, and 299, Wis. Stats, and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A 7/98

Facility/Project Name: Madison-Kipp	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: MW-27D2
Facility License, Permit or Monitoring Number:	Local Grid Origin: Lat. _____ Long _____ or St. Plane 401658.43 ft. N, 2143889.51 ft. E	Wis. Unique Well Number: VN146 / DNR Well Number:
Facility ID: 113125320	Section Location of Waste/Source: ___ 1/4 of ___ 1/4 of Sec ___ T. ___ N,R ___ ☒ E. ☐ W.	Date Well Installed: 12/19/2013
Type of Well: Monitoring Well Well Code ____/____	Location of Well Relative to Waste/Source: ☐ Upgradinet ☐ Sidegradient ☐ Downgradient ☐ Not Known	Well Installed by: Name (first, last) and Firm: Todd Schmalfeldt, Cascade Drilling
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐		

A. Protective pipe, top elevation 862.96 ft. MSL
B. Well casing, top elevation 862.59 ft. MSL
C. Land surface elevation 862.96 ft. MSL
D. Surface seal, bottom 860.96 ft MSL or 2.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis attached? ☐ Yes ☒ No

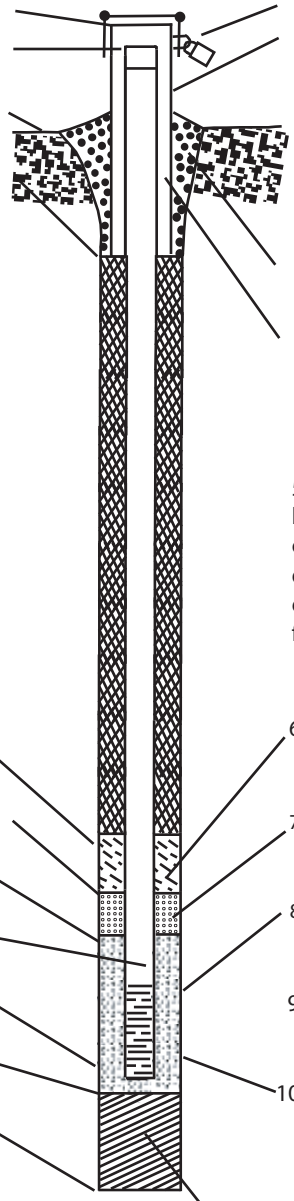
14. Drilling method used: Rotary ☒ 50 / Hollow Stem Auger ☐ 41 / _____ Other ☐ __

15. Drilling fluid used: Water ☐ 02 Air ☐ 01 Drilling Mud ☒ 03 None ☐ 99

16. Drilling additives used? ☒ Yes ☐ No
Describe Quik Gel

17. Source of Water (attached analysis if required):
Fire Hydrant (County Water)

E. Bentonite seal, top 712.96 ft. MSL or 150.0 ft.
F. Fine sand, top _____ ft. MSL or _____ ft.
G. Filter pack, top 701.96 ft. MSL or 161.0 ft.
H. Screen joint, top 692.96 ft. MSL or 170.0 ft.
I. Well bottom 682.96 ft. MSL or 180.0 ft.
J. Filter pack, bottom 674.96 ft. MSL or 188.0 ft.
K. Borehole bottom 635.96 ft. MSL or 227.0 ft.
L. Borehole diameter 8.0 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.07 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 12 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 04 / Other ☐ __ _____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30 / Concrete ☒ 01 / Other ☐ __
Portland Cement
4. Material between well casing and protective pipe: Bentonite ☒ 30 / Annular space seal ☐ __ / Other ☐ __ _____
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. _____ Lbs/gal mud weight.....Bentonite-sand slurry ☐ 35
c. 3.3 Lbs/gal mud weight.....Bentonite-grout ☒ 31
d. _____ % Bentonite.....Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☐ 08
6. Bentonite seal: a. Granular Bentonite ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. bentonite pellets ☒ 32
c. 50 pounds Other ☐ __
7. Fine sand Material: Manufacturer, product name and mesh size
a. _____ __
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. Red Flint #40 __
b. Volume added 500 pounds ft^3
9. Well casing: Flush threaded PVC schedule 40 ☐ 23 / Flush threaded PVC schedule 80 ☒ 24 / _____ Other ☐ __
10. Screen material: Sch 80 PVC
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / _____ Other ☐ __
b. Manufacturer Johnson
c. Slot size: .010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☐ 14
Sodium Bentonite Hole Plug Other ☒ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: David Kl

Firm: ARCADIS
126 N. Jefferson Street
Milwaukee, WI (414) 276-7742

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 293, 295, and 299, Wis. Stats, and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A 7/98

Facility/Project Name: Madision-Kipp	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: MW-28
Facility License, Permit or Monitoring Number:	Local Grid Origin: Lat. _____ Long _____ or St. Plane 399666.77 ft. N, 2144113.37 ft. E	Wis. Unique Well Number: / DNR Well Number:
Facility ID: 113125320	Section Location of Waste/Source: SW 1/4 of ____ 1/4 of Sec 5 T. 7 ☐ N ☒ R 10 ☒ E ☐ W.	Date Well Installed: 03/04/2015
Type of Well: Well Code ____/____	Location of Well Relative to Waste/Source: ☐ Upgradinet ☐ Sidegradient ☐ Downgradient ☐ Not Known	Well Installed by: Name (first, last) and Firm: Chip and Joel, Giles Engineering
Distance from Waste/Source _____ ft.	Enf. Stds. Apply ☐	

A. Protective pipe, top elevation 874.30 ft. MSL
B. Well casing, top elevation 874.05 ft. MSL
C. Land surface elevation 874.30 ft. MSL
D. Surface seal, bottom 873.30 ft MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☒ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; _____ Other ☐ __

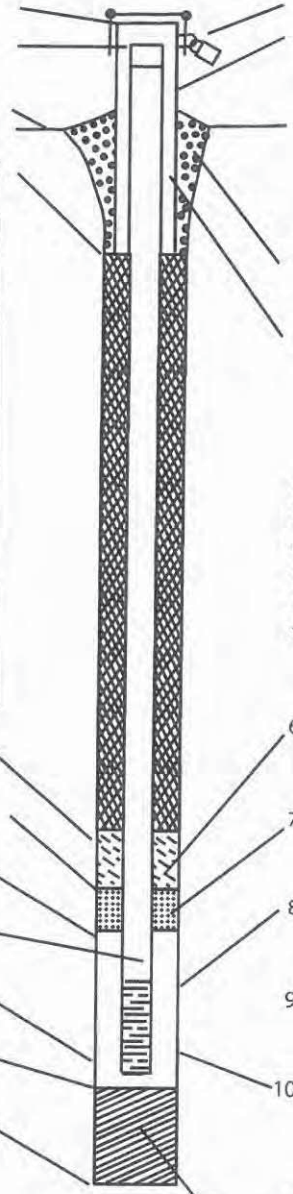
15. Drilling fluid used: Water ☐ 02 Air ☐ 01 Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of Water (attached analysis if required):
City of Madison Public Water

E. Bentonite seal, top 855.60 ft. MSL or 23.7 ft.
F. Fine sand, top 855.60 ft. MSL or 23.7 ft.
G. Filter pack, top 849.60 ft. MSL or 24.7 ft.
H. Screen joint, top 846.60 ft. MSL or 27.7 ft.
I. Well bottom 836.60 ft. MSL or 37.7 ft.
J. Filter pack, bottom _____ ft. MSL or _____ ft.
K. Borehole bottom 834.30 ft. MSL or 40 ft.
L. Borehole diameter _____ in.
M. O.D. well casing _____ in.
N. I.D. well casing _____ in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: _____ in.
b. Length: _____ ft.
c. Material: _____ Steel ☒ 04 Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30 Concrete ☒ 01 Other ☐ __
4. Material between well casing and protective pipe: Bentonite ☒ 30 Annular space seal ☐ __ Other ☐ __
5. Annular space seal: a. Granular Bentonite ☐ 33
b. _____ Lbs/gal mud weight..... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight..Bentonite-cement grout ☐ 31
d. _____ % Bentonite..... Bentonite-cement grout ☒ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☒ 02 Gravity ☐ 08
6. Bentonite seal: a. Granular Bentonite ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. bentonite pellets ☒ 32
c. _____ Other ☐ __
7. Fine sand Material: Manufacturer, product name and mesh size
a. _____ __
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. _____ __
b. Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 _____ Other ☐ __
10. Screen material: PVC Sch.
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 _____ Other ☐ __
b. Manufacturer _____
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☐ 14 _____ Other ☒ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm ARCADIS 126 N. Jefferson Street Milwaukee, WI (414) 276-7742

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 293, 295, and 299, Wis. Stats, and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

madisonkipp/WI001283/graphics/logs/mw28_con.ai

State of Wisconsin
Department of Natural Resources

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Madison Kipp Corp	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-29S
Facility License, Permit or Monitoring No.: 02-13-578014	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: VS879 / DNR Well Number:
Facility ID: 113125320	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 01/16/2018
Type of Well: Well Code 11/mw	Section Location of Waste/Source: SW 1/4 of SW 1/4 of Sec. 5, T. 7 N, R. 10 ☒ E ☐ W	Well Installed By: (Person's Name and Firm): Craig Plant
Distance from Waste/Source ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known / Gov. Lot Number	Ground Source

A. Protective pipe, top elevation ____ ft. MSL
B. Well casing, top elevation 877.80 ft. MSL
C. Land surface elevation 875.97 ft. MSL
D. Surface seal, bottom 875.0 ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis attached? ☐ Yes ☒ No

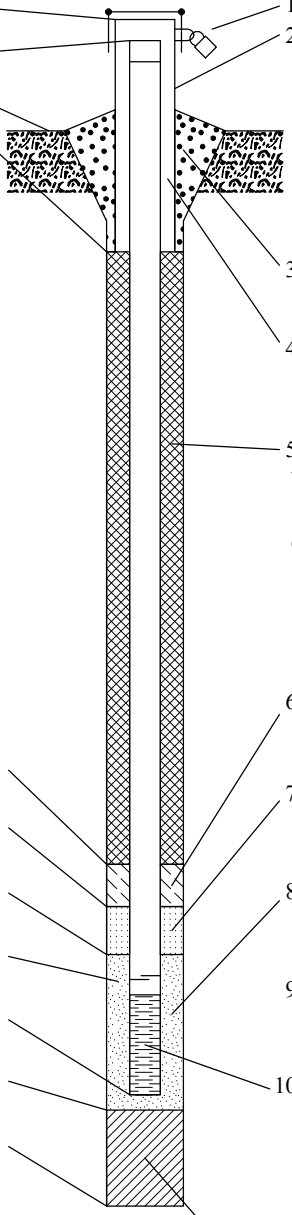
14. Drilling method used: Rotary ☐ 5 0 / Hollow Stem Auger ☒ 4 1 / Other ☐ ____

15. Drilling fluid used: Water ☐ 0 2 / Air ☐ 0 1 / Drilling Mud ☐ 0 3 / None ☒ 9 9

16. Drilling additives used? ☒ Yes ☐ No
Describe N/A

17. Source of water (attach analysis, if required):
None

E. Bentonite seal, top ____ ft. MSL or ____ ft.
F. Fine sand, top 856.0 ft. MSL or 20.0 ft.
G. Filter pack, top 854.0 ft. MSL or 22.0 ft.
H. Screen joint, top 851.3 ft. MSL or 24.6 ft.
I. Well bottom 841.6 ft. MSL or 34.4 ft.
J. Filter pack, bottom 841.0 ft. MSL or 35.0 ft.
K. Borehole, bottom 841.0 ft. MSL or 35.0 ft.
L. Borehole, diameter 8.0 in.
M. O.D. well casing 2.37 in.
N. I.D. well casing 2.03 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length: 7.0 ft.
c. Material: Steel ☒ 0 4 / Other ☐ ____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 3 0 / Concrete ☐ 0 1 / Other ☐ ____
4. Material between well casing and protective pipe: Bentonite ☒ 3 0 / Other ☐ ____
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3 3
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. ____ Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
e. 6.22 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1 / Tremie pumped ☐ 0 2 / Gravity ☒ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. ____ Other ☐ ____
7. Fine sand material: Manufacturer, product name & mesh size
a. 40/60 Badger
b. Volume added 0.65 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. 20/40 Badger
b. Volume added 4.27 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3 / Flush threaded PVC schedule 80 ☐ 2 4 / Other ☐ ____
10. Screen material: Sch 40 PVC
a. Screen Type: Factory cut ☐ 1 1 / Continuous slot ☒ 0 1 / Other ☐ ____
b. Manufacturer Johnson Screens
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☐ 1 4 / Other ☒ ____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature | Firm: TRC Environmental Corporation, 708 Heartland Trail Suite 3000 53717 | Tel: 608-826-3600 Fax: 608-238-7156

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Madison Kipp Corp	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-29D
Facility License, Permit or Monitoring No.: 02-13-578014	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: VS878 / DNR Well Number:
Facility ID: 113125320	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 01/15/2018
Type of Well: Well Code 12/pz	Section Location of Waste/Source: SW 1/4 of SW 1/4 of Sec. 5, T. 7 N, R. 10 ☒ E ☐ W	Well Installed By: (Person's Name and Firm): Craig Plant
Distance from Waste/Source ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known / Gov. Lot Number:	Ground Source

A. Protective pipe, top elevation ____ ft. MSL

B. Well casing, top elevation 877.61 ft. MSL

C. Land surface elevation 875.86 ft. MSL

D. Surface seal, bottom 874.9 ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☒ 5 0
Hollow Stem Auger ☐ 4 1
HSA to 29' bgs Other ☒

15. Drilling fluid used: Water ☐ 0 2 Air ☒ 0 1
Drilling Mud ☐ 0 3 None ☐ 9 9

16. Drilling additives used? ☒ Yes ☐ No
Describe N/A

17. Source of water (attach analysis, if required):
None

E. Bentonite seal, top 842.9 ft. MSL or 33.0 ft.

F. Fine sand, top 834.9 ft. MSL or 41.0 ft.

G. Filter pack, top 832.9 ft. MSL or 43.0 ft.

H. Screen joint, top 830.7 ft. MSL or 45.2 ft.

I. Well bottom 825.7 ft. MSL or 50.2 ft.

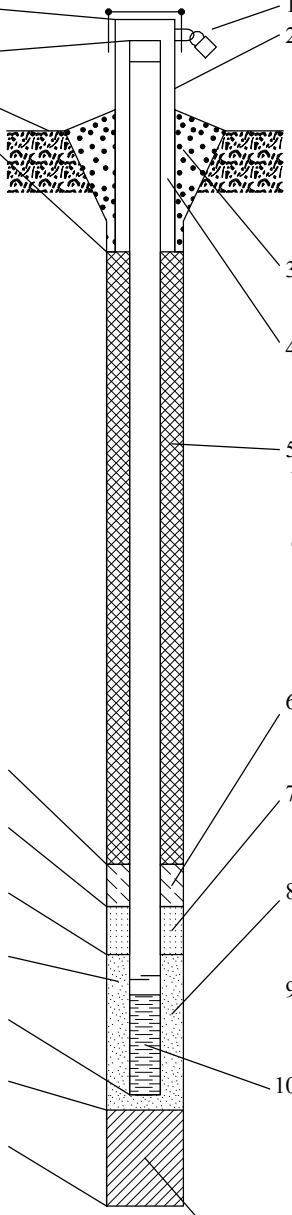
J. Filter pack, bottom 825.4 ft. MSL or 50.5 ft.

K. Borehole, bottom 825.4 ft. MSL or 50.5 ft.

L. Borehole, diameter 6.0 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.03 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length: 7.0 ft.
c. Material: Steel ☒ 0 4
Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 3 0
Concrete ☐ 0 1
Other ☐
4. Material between well casing and protective pipe:
Bentonite ☒ 3 0
Other ☐
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 3 3
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. 11 Lbs/gal mud weight . . . Bentonite slurry ☒ 3 1
d. ____ % Bentonite . . . Bentonite-cement grout ☐ 5 0
e. 20.08 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1
Tremie pumped ☒ 0 2
Gravity ☐ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. ____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. 40/60 Badger
b. Volume added 0.35 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. 20/40 Badger
b. Volume added 1.32 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3
Flush threaded PVC schedule 80 ☐ 2 4
Other ☐
10. Screen material: Sch 40 PVC
a. Screen Type: Factory cut ☐ 1 1
Continuous slot ☒ 0 1
Other ☐
b. Manufacturer Johnson Screens
c. Slot size: 0.010 in.
d. Slotted length: 5.0 ft.
11. Backfill material (below filter pack): None ☐ 1 4
Other ☒

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	
	TRC Environmental Corporation 708 Heartland Trail Suite 3000 53717	Tel: 608-826-3600 Fax: 608-238-7156

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State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A 7/98

Facility/Project Name: Madison-Kipp	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: IW-1S
Facility License, Permit or Monitoring Number	Local Grid Origin: Lat. _____ Long _____ or St. Plane 400117.03 ft. N, 2144049.24 ft. E	Wis. Unique Well Number / DNR Well Number
Facility ID: 113125320	Section Location of Waste/Source: ___ 1/4 of SW 1/4 of Sec. 5 T. 7 N, R 10 ☒ E. ☐ W.	Date Well Installed: 11/02/2012
Type of Well: Well Code ____/____	Location of Well Relative to Waste/Source: ☐ Upgradient ☐ Sidegradient ☐ Downgradient ☒ Not Known	Well Installed by: Name (first, last) and Firm: Beauford Jones, Giles Engineering & Associates
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐		

A. Protective pipe, top elevation 867.82 ft. MSL
B. Well casing, top elevation 867.62 ft. MSL
C. Land surface elevation 867.82 ft. MSL
D. Surface seal, bottom 866.82 ft MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
_____ Other ☐ __

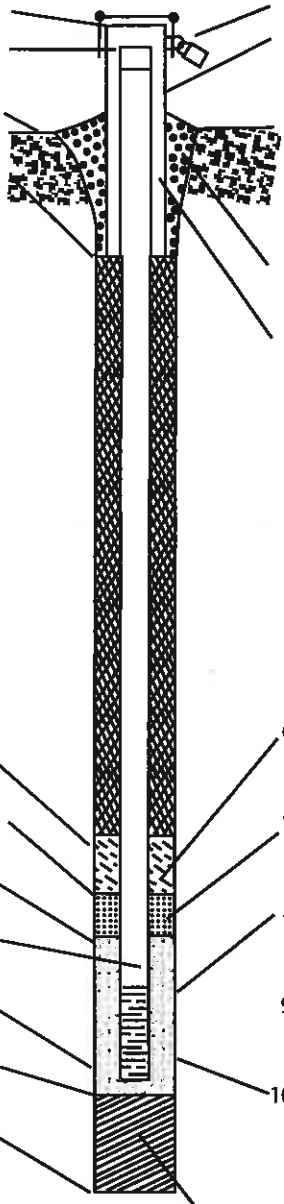
15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe N/A

17. Source of Water (attached analysis if required):
N/A

E. Bentonite seal, top 859.82 ft. MSL or 8.0 ft.
F. Fine sand, top 855.82 ft. MSL or 12.0 ft.
G. Filter pack, top 853.82 ft. MSL or 14.0 ft.
H. Screen joint, top 851.82 ft. MSL or 16.0 ft.
I. Well bottom 841.82 ft. MSL or 26.0 ft.
J. Filter pack, bottom 839.82 ft. MSL or 28.0 ft.
K. Borehole bottom 839.82 ft. MSL or 28.0 ft.
L. Borehole diameter 8.0 in.
M. O.D. well casing 2.3 in.
N. I.D. well casing 2.0 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 04 Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30 Concrete ☒ 01 Other ☐ __
4. Material between well casing and protective pipe: Bentonite ☒ 30 Annular space seal ☐ __ Other ☐ __
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. _____ Lbs/gal mud weight.....Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight.....Bentonite-slurry ☐ 31
d. _____ % Bentonite.....Bentonite-cement grout ☒ 50
e. 1.6 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Granular Bentonite ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. bentonite pellets ☒ 32
c. _____ Other ☐ __
7. Fine sand Material: Manufacturer, product name and mesh size
a. Red Flint #15
b. Volume added 0.5 ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. Red Flint #40
b. Volume added 2.5 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☐ 23 Flush threaded PVC schedule 80 ☒ 24 _____ Other ☐ __
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 _____ Other ☐ __
b. Manufacturer Johnson
c. Slot size: .010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☒ 14 _____ Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: _____ Firm: ARCADIS, 126 N. Jefferson Street, Milwaukee, WI (414) 276-7742

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 293, 295, and 299, Wis. Stats, and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A 7/98

Facility/Project Name: Madison-Kipp	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: IW-2D
Facility License, Permit or Monitoring Number	Local Grid Origin: Lat. ____ Long ____ or St. Plane 400130.42 ft. N, 2144076.80 ft. E	Wis. Unique Well Number / DNR Well Number
Facility ID: 113125320	Section Location of Waste/Source: ___ 1/4 of SW 1/4 of Sec 5 T. 7 N,R 10 ☒ E. ☐ W.	Date Well Installed: 11/20/2012
Type of Well: Well Code ____/____	Location of Well Relative to Waste/Source: ☐ Upgradinet ☐ Sidegradient ☐ Downgradient ☒ Not Known	Well Installed by: Name (first, last) and Firm: Todd Schmelfeldt, Boart Longyear
Distance from Waste/Source ____ ft. / Enf. Stds. Apply ☐		

A. Protective pipe, top elevation 867.57 ft. MSL
B. Well casing, top elevation 866.61 ft. MSL
C. Land surface elevation 867.57 ft. MSL
D. Surface seal, bottom 866.57 ft MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis attached? ☐ Yes ☒ No

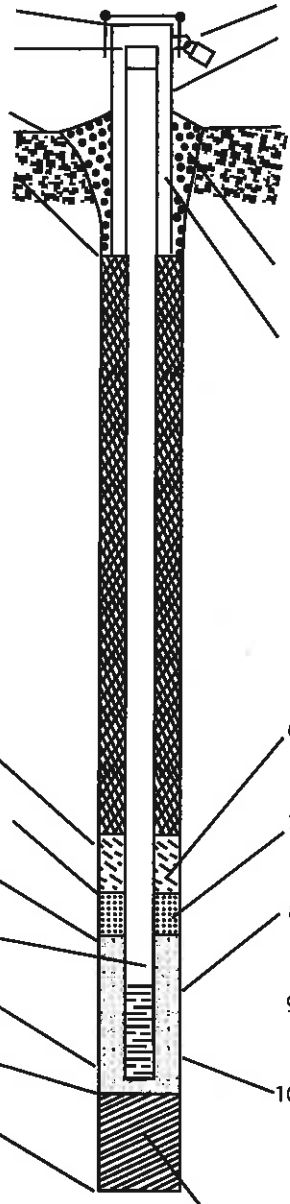
14. Drilling method used: Rotary ☒ 50; Hollow Stem Auger ☐ 41; ____ Other ☐ __

15. Drilling fluid used: Water ☐ 02 Air ☐ 01; Drilling Mud ☒ 03 None ☐ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

17. Source of Water (attached analysis if required):
City of Madison



E. Bentonite seal, top ____ ft. MSL or 44.0 ft.
F. Fine sand, top ____ ft. MSL or 50.0 ft.
G. Filter pack, top ____ ft. MSL or 55.0 ft.
H. Screen joint, top ____ ft. MSL or 60.0 ft.
I. Well bottom ____ ft. MSL or 90.0 ft.
J. Filter pack, bottom ____ ft. MSL or 95.0 ft.
K. Borehole bottom ____ ft. MSL or 142.0 ft.
L. Borehole diameter 10.0 in.
M. O.D. well casing 6.3 in.
N. I.D. well casing 6.0 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1.0 ft.
c. Material: ____ Steel ☒ 04 Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____

3. Surface seal: Portland Cement — Bentonite ☐ 30 Concrete ☒ 01 Other ☐ __
4. Material between well casing and protective pipe: ____ Bentonite ☒ 30 Annular space seal ☐ __ Other ☐ __
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. ____ Lbs/gal mud weight.....Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight.....Bentonite-slurry ☐ 31
d. 5 % Bentonite.....Bentonite-cement grout ☒ 50
e. 23.5 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Granular Bentonite ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. bentonite pellets ☒ 32
c. ____ Other ☐ __
7. Fine sand Material: Manufacturer, product name and mesh size
a. Chokersand 40/30 fine
b. Volume added 2.7 ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. Red Flint #40
b. Volume added 21.8 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☐ 23 Flush threaded PVC schedule 80 ☒ 24 ____ Other ☐ __
10. Screen material: PVC
a. Screen type: Factory cut ☐ 11 Continuous slot ☒ 01 ____ Other ☐ __
b. Manufacturer Johnson
c. Slot size: .010 in.
d. Slotted length: 30 ft.
11. Backfill material (below filter pack): Bentonite — None ☐ 14 Other ☒ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [signature]

Firm: ARCADIS
126 N. Jefferson Street
Milwaukee, WI (414) 276-7742

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State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A 7/98

Facility/Project Name: Madison-Kipp	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: IW-2D2	
Facility License, Permit or Monitoring Number	Local Grid Origin: Lat. _____ Long _____ or St. Plane 400130.74 ft. N, 2144076.97 ft. E	Wis. Unique Well Number	DNR Well Number
Facility ID: 113125320	Section Location of Waste/Source: ___ 1/4 of SW 1/4 of Sec 5 T. 7 N,R 10 ☒ E. ☐ W.	Date Well Installed: 11/20/2012	
Type of Well: Well Code ____/____	Location of Well Relative to Waste/Source: ☐ Upgradinet ☐ Sidegradient ☐ Downgradient ☒ Not Known	Well Installed by: Name (first, last) and Firm: Todd Schmelfeldt, Boart Longyear	
Distance from Waste/Source _____ ft. Enf. Stds. Apply ☐			

A. Protective pipe, top elevation 867.57 ft. MSL
B. Well casing, top elevation 866.57 ft. MSL
C. Land surface elevation 867.57 ft. MSL
D. Surface seal, bottom 866.57 ft MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis attached? ☐ Yes ☒ No

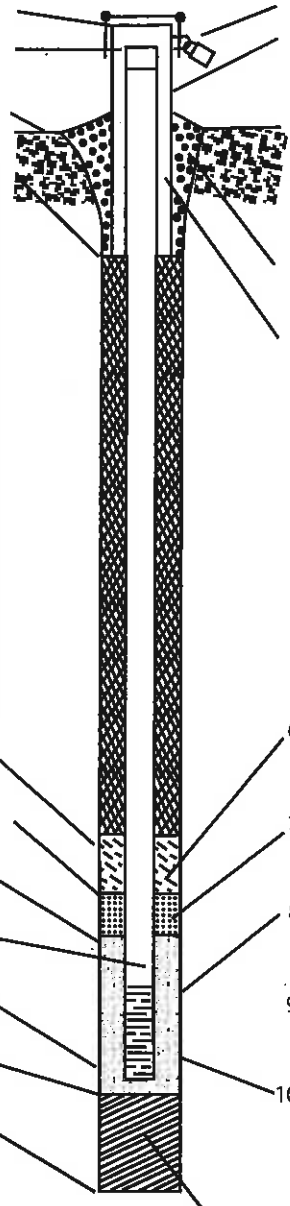
14. Drilling method used: Rotary ☒ 50; Hollow Stem Auger ☐ 41; _____ Other ☐ __

15. Drilling fluid used: Water ☐ 02 Air ☐ 01; Drilling Mud ☒ 03 None ☐ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of Water (attached analysis if required):
City of Madison



E. Bentonite seal, top _____ ft. MSL or 95.0 ft.
F. Fine sand, top _____ ft. MSL or -- ft.
G. Filter pack, top _____ ft. MSL or 102.0 ft.
H. Screen joint, top _____ ft. MSL or 110.0 ft.
I. Well bottom _____ ft. MSL or 140.0 ft.
J. Filter pack, bottom _____ ft. MSL or 142.0 ft.
K. Borehole bottom _____ ft. MSL or 142.0 ft.
L. Borehole diameter 10.0 in.
M. O.D. well casing 6.3 in.
N. I.D. well casing 6.0 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 04; _____ Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____

3. Surface seal: Bentonite ☐ 30; Concrete ☒ 01; Portland Cement Other ☐ __
4. Material between well casing and protective pipe: Bentonite ☒ 30; Annular space seal ☐ __; _____ Other ☐ __
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. _____ Lbs/gal mud weight.....Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight.....Bentonite-slurry ☐ 31
d. 5 % Bentonite.....Bentonite-cement grout ☒ 50
e. 23.5 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08
6. Bentonite seal: a. Granular Bentonite ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. bentonite pellets ☒ 32
c. _____ Other ☐ __
7. Fine sand Material: Manufacturer, product name and mesh size
a. _____ __
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. Red Flint #40 __
b. Volume added 21.8 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☐ 23; Flush threaded PVC schedule 80 ☒ 24; _____ Other ☐ __
10. Screen material: PVC
a. Screen type: Factory cut ☐ 11; Continuous slot ☒ 01; _____ Other ☐ __
b. Manufacturer Johnson
c. Slot size: .010 in.
d. Slotted length: 30 ft.
11. Backfill material (below filter pack): None ☐ 14; _____ Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm ARCADIS, 126 N. Jefferson Street, Milwaukee, WI (414) 276-7742

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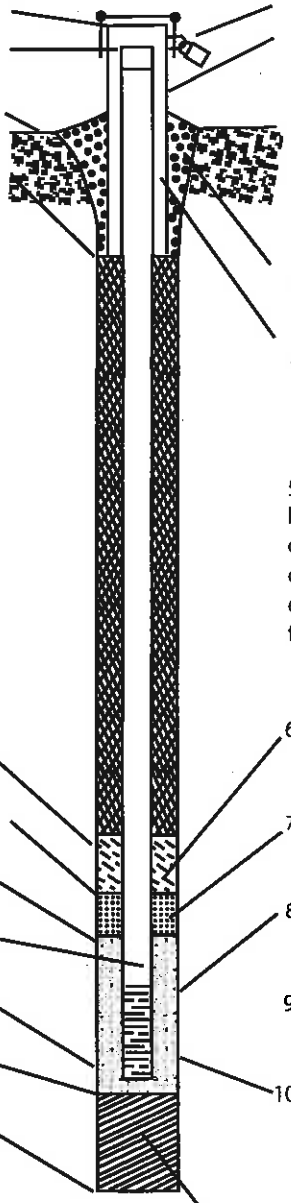
State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☒ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A 4/90

Facility/Project Name: Madison Kipp	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: SVE-2	
Facility License, Permit or Monitoring Number: 113125320	Local Grid Origin: Lat. _____ Long _____ or	Wis. Unique Well Number	DNR Well Number
Type of Well: Water Table Observation Well ☐ 11; Piezometer ☐ 12	St. Plane _____ ft. N, _____ ft. E	Date Well Installed: 02/24/2012	
Distance Well Is From Waste/Source Boundary: _____ ft.	Section Location of Waste/Source: NW 1/4 of SW 1/4 of Sec 5 T. 7 N,R 10 ☒ E. ☐ W.	Well Installed by: Name (first, last) and Firm: Beauford Jones, Giles Engineering	
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No	Location of Well Relative to Waste/Source: ☐ Upgradinet ☐ Sidegradient ☐ Downgradient ☐ Not Known		



A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; _____ Other ☐ __

15. Drilling fluid used: Water ☐ 02 Air ☐ 01; Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of Water (attached analysis if required):

E. Bentonite seal, top _____ ft. MSL or 3.0 ft.
F. Fine sand, top _____ ft. MSL or 4.0 ft.
G. Filter pack, top _____ ft. MSL or 4.5 ft.
H. Screen joint, top _____ ft. MSL or 5.0 ft.
I. Well bottom _____ ft. MSL or 15 ft.
J. Filter pack, bottom _____ ft. MSL or 19 ft.
K. Borehole bottom _____ ft. MSL or 19 ft.
L. Borehole diameter 8.25 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.03 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 12 in.
b. Length: 1 ft.
c. Material: _____ Steel ☒ 04; Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: _____ Bentonite ☐ 30; Concrete ☒ 01; Other ☐ __
4. Material between well casing and protective pipe: _____ Bentonite ☐ 30; Annular space seal ☒ __; Other ☐ __
5. Annular space seal: a. Granular Bentonite ☐ 33
b. _____ Lbs/gal mud weight..... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight..Bentonite-cement grout ☐ 31
d. _____ % Bentonite..... Bentonite-cement grout ☒ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08
6. Bentonite seal: a. Granular Bentonite ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. bentonite pellets ☒ 32
c. _____ Other ☐ __
7. Fine sand Material: Manufacturer, product name and mesh size
a. #15 Red Flint __
b. Volume added 1/2 Bag ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. #40 Red Flint __
b. Volume added 8 Bags ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; _____ Other ☐ __
10. Screen material: SCH, 40 PVC
a. Screen type: Factory cut ☐ 11; Continuous slot ☒ 01; _____ Other ☐ __
b. Manufacturer Johnson
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): _____ None ☒ 14; Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: _____ Firm: ARCADIS, 126 N. Jefferson Street, Milwaukee, WI (414) 276-7742

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 293, 295, and 299, Wis. Stats, and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

madison-kipp/WI001283/graphics/logs/sve 2 const.ai

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☒ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A 4/90

Facility/Project Name: Madison Kipp	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: SVE-3
Facility License, Permit or Monitoring Number: 113125320	Local Grid Origin: Lat. _____ Long _____ or	Wis. Unique Well Number / DNR Well Number
Type of Well: Water Table Observation Well ☐ 11; Piezometer ☐ 12	St. Plane _____ ft. N, _____ ft. E	Date Well Installed: 02/24/2012
Distance Well Is From Waste/Source Boundary: ft.	Section Location of Waste/Source: NW 1/4 of SW 1/4 of Sec. 5 T. 7 N, R 10 ☒ E. ☐ W.	Well Installed by: Name (first, last) and Firm: Beauford Jones, Giles Engineering
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No	Location of Well Relative to Waste/Source: ☐ Upgradinet ☐ Sidegradient ☐ Downgradient ☐ Not Known	

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom _____ ft MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; _____ Other ☐ __

15. Drilling fluid used: Water ☐ 02 Air ☐ 01; Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of Water (attached analysis if required):

_____

E. Bentonite seal, top _____ ft. MSL or 3.0 ft.

F. Fine sand, top _____ ft. MSL or 4.0 ft.

G. Filter pack, top _____ ft. MSL or 4.5 ft.

H. Screen joint, top _____ ft. MSL or 5.0 ft.

I. Well bottom _____ ft. MSL or 15 ft.

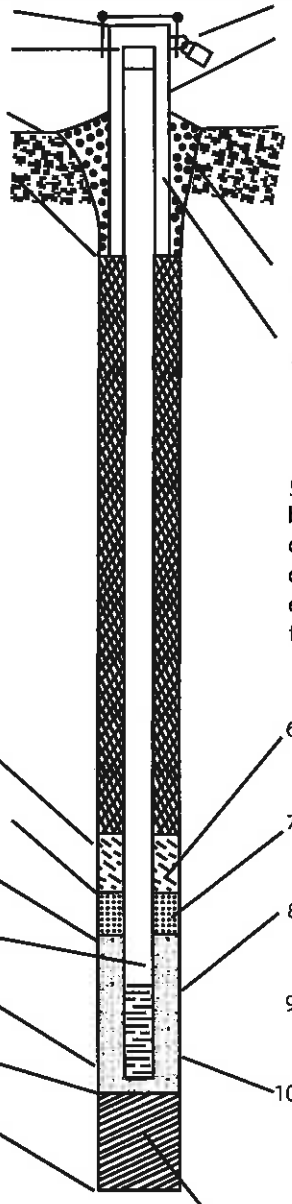
J. Filter pack, bottom _____ ft. MSL or 22 ft.

K. Borehole bottom _____ ft. MSL or 22 ft.

L. Borehole diameter 8.25 in.

M. O.D. well casing 2.38 in.

N. I.D. well casing 2.08 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 12 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04; _____ Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30; Concrete ☒ 01; _____ Other ☐ __
4. Material between well casing and protective pipe: Bentonite ☐ 30; Annular space seal ☒ __; _____ Other ☐ __
5. Annular space seal: a. Granular Bentonite ☐ 33
b. _____ Lbs/gal mud weight..... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight..Bentonite-cement grout ☐ 31
d. _____ % Bentonite..... Bentonite-cement grout ☒ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08
6. Bentonite seal: a. Granular Bentonite ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. bentonite pellets ☒ 32
c. _____ Other ☐ __
7. Fine sand Material: Manufacturer, product name and mesh size
a. #15 Red Flint __
b. Volume added 1/2 Bag ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. #40 Red Flint __
b. Volume added 10.5 Bags ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; _____ Other ☐ __
10. Screen material: SCH, 40 PVC
a. Screen type: Factory cut ☐ 11; Continuous slot ☒ 01; _____ Other ☐ __
b. Manufacturer Johnson
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☒ 14; _____ Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm ARCADIS 126 N. Jefferson Street Milwaukee, WI (414) 276-7742

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 293, 295, and 299, Wis. Stats, and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

madison-kipp/WI001283/graphics/logs/sve 3 const.ai

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☒ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A 4/90

Facility/Project Name: Madison Kipp	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: SVE-4
Facility License, Permit or Monitoring Number: 113125320	Local Grid Origin: Lat. _____ Long _____ or St. Plane _____ ft. N, _____ ft. E	Wis. Unique Well Number / DNR Well Number
Type of Well: Water Table Observation Well ☐ 11, Piezometer ☐ 12		Date Well Installed: 02/24/2012
Distance Well Is From Waste/Source Boundary: _____ ft.	Section Location of Waste/Source: NW 1/4 of SW 1/4 of Sec. 5 T. 7 N,R 10 ☒ E. ☐ W.	Well Installed by: Name (first, last) and Firm: Beauford Jones, Giles Engineering
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No	Location of Well Relative to Waste/Source: ☐ Upgradinet ☐ Sidegradient ☐ Downgradient ☐ Not Known	

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; _____ Other ☐ __

15. Drilling fluid used: Water ☐ 02 Air ☐ 01; Drilling Mud ☐ 03 None ☒ 99

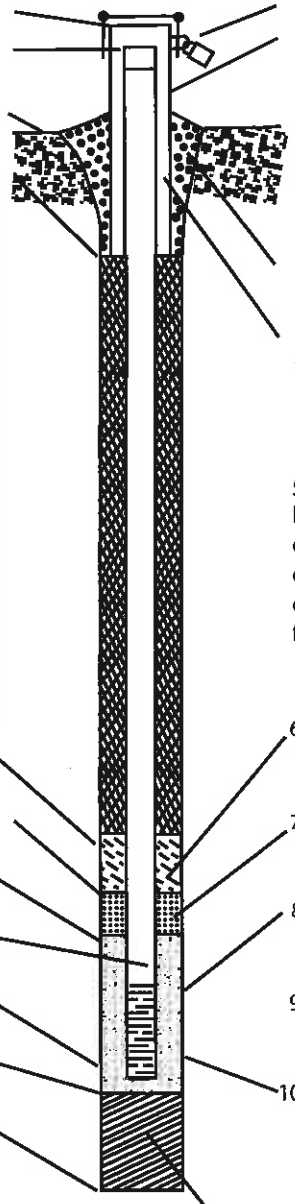
16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of Water (attached analysis if required):

_____

E. Bentonite seal, top _____ ft. MSL or 3.0 ft.
F. Fine sand, top _____ ft. MSL or 4.0 ft.
G. Filter pack, top _____ ft. MSL or 4.5 ft.
H. Screen joint, top _____ ft. MSL or 5.0 ft.
I. Well bottom _____ ft. MSL or 15 ft.
J. Filter pack, bottom _____ ft. MSL or 18 ft.
K. Borehole bottom _____ ft. MSL or 18 ft.
L. Borehole diameter 8.25 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.08 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 12 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04; _____ Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30; Concrete ☒ 01; _____ Other ☐ __
4. Material between well casing and protective pipe: Bentonite ☐ 30; Annular space seal ☒ __; _____ Other ☐ __
5. Annular space seal: a. Granular Bentonite ☐ 33
b. _____ Lbs/gal mud weight..... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight..Bentonite-cement grout ☐ 31
d. _____ % Bentonite..... Bentonite-cement grout ☒ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08
6. Bentonite seal: a. Granular Bentonite ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. bentonite pellets ☒ 32
c. _____ Other ☐ __
7. Fine sand Material: Manufacturer, product name and mesh size
a. #15 Red Flint __
b. Volume added 1/2 Bag ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. #40 Red Flint __
b. Volume added 7 Bags ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; _____ Other ☐ __
10. Screen material: SCH, 40 PVC
a. Screen type: Factory cut ☐ 11; Continuous slot ☒ 01; _____ Other ☐ __
b. Manufacturer Johnson
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☒ 14; _____ Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm ARCADIS, 126 N. Jefferson Street, Milwaukee, WI (414) 276-7742

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 293, 295, and 299, Wis. Stats, and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

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State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☒ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A 4/90

Facility/Project Name: Madison Kipp	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: SVE-5
Facility License, Permit or Monitoring Number: 113125320	Local Grid Origin: Lat. _____ Long _____ or	Wis. Unique Well Number: / DNR Well Number:
Type of Well: Water Table Observation Well ☐ 11; Piezometer ☐ 12	St. Plane _____ ft. N, _____ ft. E	Date Well Installed: 02/24/2012
Distance Well Is From Waste/Source Boundary: ft.	Section Location of Waste/Source: NW 1/4 of SW 1/4 of Sec. 5 T. 7 N,R 10 ☒ E. ☐ W.	Well Installed by: Name (first, last) and Firm: Beauford Jones, Giles Engineering
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No	Location of Well Relative to Waste/Source: ☐ Upgradinet ☐ Sidegradient ☐ Downgradient ☐ Not Known	

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; _____ Other ☐ __

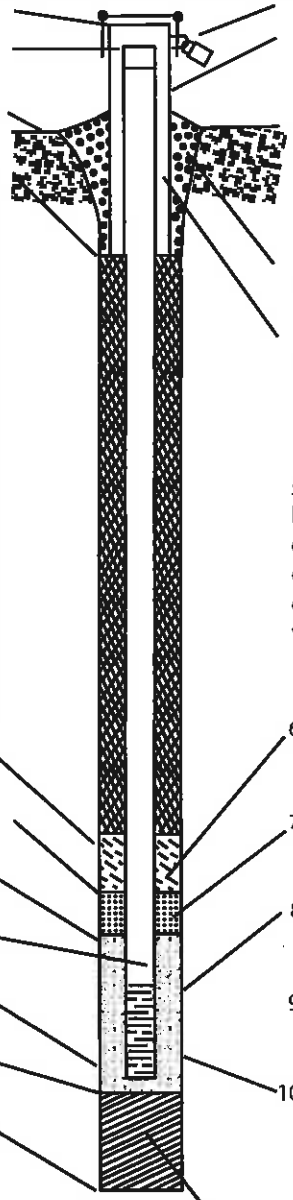
15. Drilling fluid used: Water ☐ 02 Air ☐ 01; Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of Water (attached analysis if required):

E. Bentonite seal, top _____ ft. MSL or 3.0 ft.
F. Fine sand, top _____ ft. MSL or 4.0 ft.
G. Filter pack, top _____ ft. MSL or 4.5 ft.
H. Screen joint, top _____ ft. MSL or 5.0 ft.
I. Well bottom _____ ft. MSL or 15 ft.
J. Filter pack, bottom _____ ft. MSL or 20 ft.
K. Borehole bottom _____ ft. MSL or 20 ft.
L. Borehole diameter 8.25 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.08 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 12 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04; _____ Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30; Concrete ☒ 01; _____ Other ☐ __
4. Material between well casing and protective pipe: Bentonite ☐ 30; Annular space seal ☒ __; _____ Other ☐ __
5. Annular space seal: a. Granular Bentonite ☐ 33
b. _____ Lbs/gal mud weight..... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight..Bentonite-cement grout ☐ 31
d. _____ % Bentonite..... Bentonite-cement grout ☒ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08
6. Bentonite seal: a. Granular Bentonite ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. bentonite pellets ☒ 32
c. _____ Other ☐ __
7. Fine sand Material: Manufacturer, product name and mesh size
a. #15 Red Flint __
b. Volume added 1/2 Bag ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. #40 Red Flint __
b. Volume added 10 Bags ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; _____ Other ☐ __
10. Screen material: SCH, 40 PVC
a. Screen type: Factory cut ☐ 11; Continuous slot ☒ 01; _____ Other ☐ __
b. Manufacturer Johnson
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☒ 14; _____ Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: _____

Firm: ARCADIS
126 N. Jefferson Street
Milwaukee, WI (414) 276-7742

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 293, 295, and 299, Wis. Stats, and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

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State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☒ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A 4/90

Facility/Project Name: Madison Kipp	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: SVE-6
Facility License, Permit or Monitoring Number: 113125320	Local Grid Origin: Lat. _____ Long _____ or St. Plane _____ ft. N, _____ ft. E	Wis. Unique Well Number / DNR Well Number
Type of Well: Water Table Observation Well ☐ 11; Piezometer ☐ 12	Section Location of Waste/Source: NW 1/4 of SW 1/4 of Sec. 5 T. 7 N, R 10 ☒ E. ☐ W.	Date Well Installed: 02/25/2012
Distance Well Is From Waste/Source Boundary: _____ ft.	Location of Well Relative to Waste/Source: ☐ Upgradinet ☐ Sidegradient ☐ Downgradient ☐ Not Known	Well Installed by: Name (first, last) and Firm: Beauford Jones, Giles Engineering
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No		

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; _____ Other ☐ __

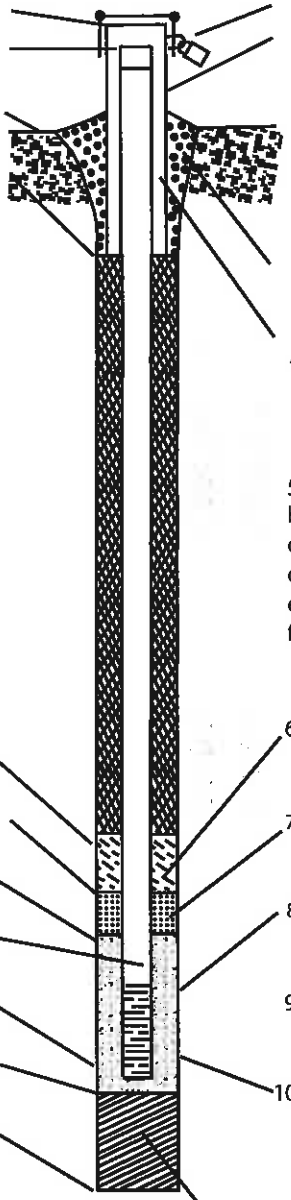
15. Drilling fluid used: Water ☐ 02 Air ☐ 01; Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of Water (attached analysis if required):

_____



E. Bentonite seal, top _____ ft. MSL or 3.0 ft.
F. Fine sand, top _____ ft. MSL or 4.0 ft.
G. Filter pack, top _____ ft. MSL or 4.5 ft.
H. Screen joint, top _____ ft. MSL or 5.0 ft.
I. Well bottom _____ ft. MSL or 15 ft.
J. Filter pack, bottom _____ ft. MSL or 20 ft.
K. Borehole bottom _____ ft. MSL or 20 ft.
L. Borehole diameter 8.25 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.08 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 12 in.
b. Length: 1 ft.
c. Material: _____ Steel ☒ 04 Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: _____ Bentonite ☐ 30 Concrete ☒ 01 Other ☐ __
4. Material between well casing and protective pipe: _____ Bentonite ☐ 30 Annular space seal ☒ __ Other ☐ __
5. Annular space seal: a. Granular Bentonite ☐ 33
b. _____ Lbs/gal mud weight..... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight..Bentonite-cement grout ☐ 31
d. _____ % Bentonite..... Bentonite-cement grout ☒ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Granular Bentonite ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. bentonite pellets ☒ 32
c. _____ Other ☐ __
7. Fine sand Material: Manufacturer, product name and mesh size
a. #15 Red Flint __
b. Volume added 1/2 Bag ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. #40 Red Flint __
b. Volume added 10 Bags ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 _____ Other ☐ __
10. Screen material: SCH, 40 PVC
a. Screen type: Factory cut ☐ 11 Continuous slot ☒ 01 _____ Other ☐ __
b. Manufacturer Johnson
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☒ 14 _____ Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: _____ Firm: ARCADIS, 126 N. Jefferson Street, Milwaukee, WI (414) 276-7742

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 293, 295, and 299, Wis. Stats, and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

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State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☒ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A 4/90

Facility/Project Name: Madison Kipp	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: SVE-7
Facility License, Permit or Monitoring Number: 113125320	Local Grid Origin: Lat. _____ Long _____ or St. Plane _____ ft. N, _____ ft. E	Wis. Unique Well Number / DNR Well Number
Type of Well: Water Table Observation Well ☐ 11; Piezometer ☐ 12	Section Location of Waste/Source: NW 1/4 of SW 1/4 of Sec. 5 T. 7 N,R 10 ☒ E. ☐ W.	Date Well Installed: 02/25/2012
Distance Well Is From Waste/Source Boundary: _____ ft.	Location of Well Relative to Waste/Source: ☐ Upgradinet ☐ Sidegradient ☐ Downgradient ☐ Not Known	Well Installed by: Name (first, last) and Firm: Beauford Jones, Giles Engineering
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No		

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; _____ Other ☐ __

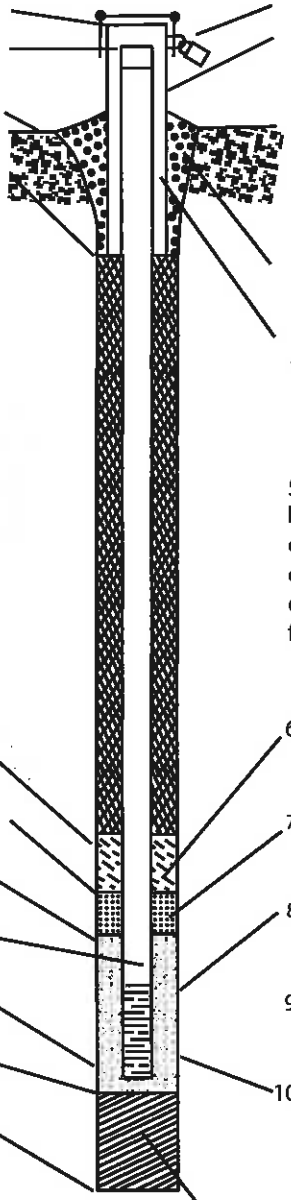
15. Drilling fluid used: Water ☐ 02 Air ☐ 01; Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of Water (attached analysis if required):

_____



E. Bentonite seal, top _____ ft. MSL or 3.0 ft.
F. Fine sand, top _____ ft. MSL or 4.0 ft.
G. Filter pack, top _____ ft. MSL or 4.5 ft.
H. Screen joint, top _____ ft. MSL or 5.0 ft.
I. Well bottom _____ ft. MSL or 15 ft.
J. Filter pack, bottom _____ ft. MSL or 22 ft.
K. Borehole bottom _____ ft. MSL or 22 ft.
L. Borehole diameter 8.25 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.08 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 12 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04; _____ Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30; Concrete ☒ 01; _____ Other ☐ __
4. Material between well casing and protective pipe: Bentonite ☐ 30; Annular space seal ☒ __; _____ Other ☐ __
5. Annular space seal: a. Granular Bentonite ☐ 33
b. _____ Lbs/gal mud weight..... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight..Bentonite-cement grout ☐ 31
d. _____ % Bentonite..... Bentonite-cement grout ☒ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08
6. Bentonite seal: a. Granular Bentonite ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. bentonite pellets ☒ 32
c. _____ Other ☐ __
7. Fine sand Material: Manufacturer, product name and mesh size
a. #15 Red Flint __
b. Volume added 1/2 Bag ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. #40 Red Flint __
b. Volume added 10 Bags ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; _____ Other ☐ __
10. Screen material: SCH, 40 PVC
a. Screen type: Factory cut ☐ 11; Continuous slot ☒ 01; _____ Other ☐ __
b. Manufacturer Johnson
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☒ 14; _____ Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm ARCADIS, 126 N. Jefferson Street, Milwaukee, WI (414) 276-7742

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 293, 295, and 299, Wis. Stats, and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

madison-kipp/WI001283/graphics/logs/sve 6 const.ai

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☒ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A 4/90

Facility/Project Name: Madison Kipp	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: SVE-8
Facility License, Permit or Monitoring Number: 113125320	Local Grid Origin: Lat. _____ Long _____ or	Wis. Unique Well Number / DNR Well Number
Type of Well: Water Table ☐ 11 Observation Well ☐ 12 Piezometer	St. Plane _____ ft. N, _____ ft. E	Date Well Installed: 02/25/2012
Distance Well Is From Waste/Source Boundary: _____ ft.	Section Location of Waste/Source: NW 1/4 of SW 1/4 of Sec. 5 T. 7 N, R 10 ☒ E. ☐ W.	Well Installed by: Name (first, last) and Firm: Beauford Jones, Giles Engineering
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No	Location of Well Relative to Waste/Source: ☐ Upgradinet ☐ Sidegradient ☐ Downgradient ☐ Not Known	

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom _____ ft MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; _____ Other ☐ __

15. Drilling fluid used: Water ☐ 02 Air ☐ 01 Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of Water (attached analysis if required):

_____

E. Bentonite seal, top _____ ft. MSL or 3.0 ft.

F. Fine sand, top _____ ft. MSL or 4.0 ft.

G. Filter pack, top _____ ft. MSL or 4.5 ft.

H. Screen joint, top _____ ft. MSL or 5.0 ft.

I. Well bottom _____ ft. MSL or 20 ft.

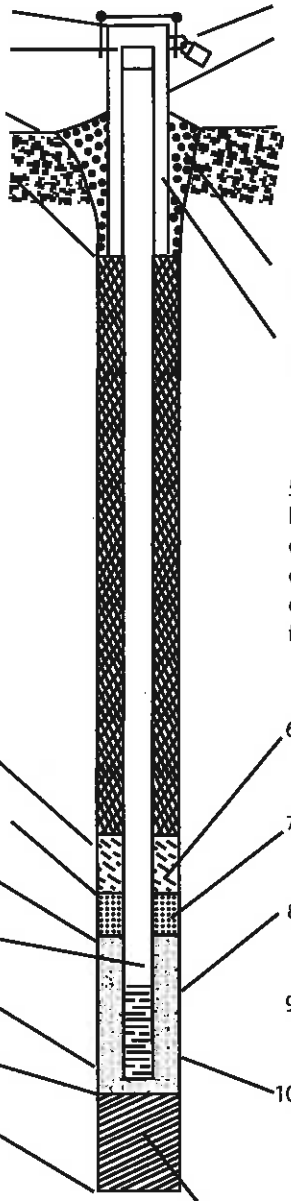
J. Filter pack, bottom _____ ft. MSL or 26 ft.

K. Borehole bottom _____ ft. MSL or 26 ft.

L. Borehole diameter 8.25 in.

M. O.D. well casing 2.38 in.

N. I.D. well casing 2.08 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 12 in.
b. Length: 1 ft.
c. Material: _____ Steel ☒ 04 Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: _____ Bentonite ☐ 30 Concrete ☒ 01 Other ☐ __
4. Material between well casing and protective pipe: _____ Bentonite ☐ 30 Annular space seal ☒ __ Other ☐ __
5. Annular space seal: a. Granular Bentonite ☐ 33
b. _____ Lbs/gal mud weight..... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight..Bentonite-cement grout ☐ 31
d. _____ % Bentonite..... Bentonite-cement grout ☒ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Granular Bentonite ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. bentonite pellets ☒ 32
c. _____ Other ☐ __
7. Fine sand Material: Manufacturer, product name and mesh size
a. #15 Red Flint
b. Volume added 1/2 Bag ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. #40 Red Flint
b. Volume added 15 Bags ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 _____ Other ☐ __
10. Screen material: SCH, 40 PVC
a. Screen type: Factory cut ☐ 11 Continuous slot ☒ 01 _____ Other ☐ __
b. Manufacturer Johnson
c. Slot size: 0.010 in.
d. Slotted length: 15 ft.
11. Backfill material (below filter pack): None ☒ 14 _____ Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm ARCADIS 126 N. Jefferson Street Milwaukee, WI (414) 276-7742

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 293, 295, and 299, Wis. Stats, and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

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State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☒ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A 4/90

Facility/Project Name: Madison Kipp	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: SVE-9	
Facility License, Permit or Monitoring Number: 113125320	Local Grid Origin: Lat. _____ Long _____ or St. Plane _____ ft. N, _____ ft. E	Wis. Unique Well Number	DNR Well Number
Type of Well: Water Table ☐ 11 Observation Well ☐ 12 Piezometer		Date Well Installed: 02/25/2012	
Distance Well Is From Waste/Source Boundary: _____ ft.	Section Location of Waste/Source: NW 1/4 of SW 1/4 of Sec. 5 T. 7 N,R 10 ☒ E. ☐ W.	Well Installed by: Name (first, last) and Firm: Beauford Jones, Giles Engineering	
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No	Location of Well Relative to Waste/Source: ☐ Upgradinet ☐ Sidegradient ☐ Downgradient ☐ Not Known		

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; _____ Other ☐ __

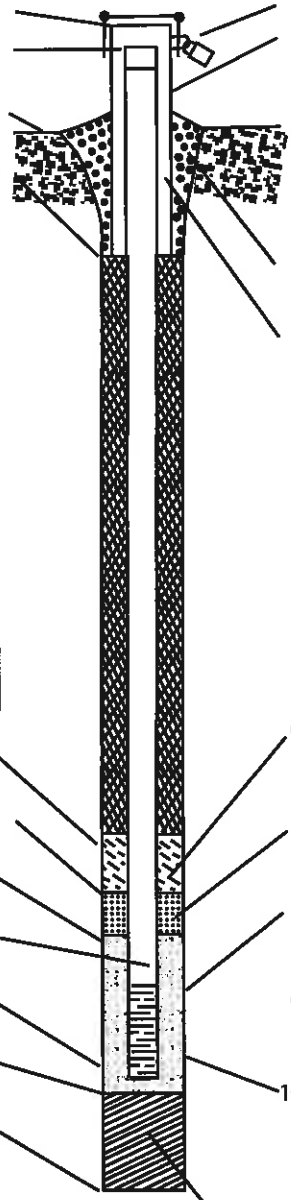
15. Drilling fluid used: Water ☐ 02 Air ☐ 01 Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of Water (attached analysis if required):

E. Bentonite seal, top _____ ft. MSL or 3.0 ft.
F. Fine sand, top _____ ft. MSL or 4.0 ft.
G. Filter pack, top _____ ft. MSL or 4.5 ft.
H. Screen joint, top _____ ft. MSL or 5.0 ft.
I. Well bottom _____ ft. MSL or 20 ft.
J. Filter pack, bottom _____ ft. MSL or 26 ft.
K. Borehole bottom _____ ft. MSL or 26 ft.
L. Borehole diameter 8.25 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.08 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 12 in.
b. Length: 1 ft.
c. Material: _____ Steel ☒ 04 Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: _____ Bentonite ☐ 30 Concrete ☒ 01 Other ☐ __
4. Material between well casing and protective pipe: _____ Bentonite ☐ 30 Annular space seal ☒ __ Other ☐ __
5. Annular space seal: a. Granular Bentonite ☐ 33
b. _____ Lbs/gal mud weight..... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight..Bentonite-cement grout ☐ 31
d. _____ % Bentonite..... Bentonite-cement grout ☒ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Granular Bentonite ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. bentonite pellets ☒ 32
c. _____ Other ☐ __
7. Fine sand Material: Manufacturer, product name and mesh size
a. #15 Red Flint __
b. Volume added 1/2 Bag ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. #40 Red Flint __
b. Volume added 16 Bags ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 _____ Other ☐ __
10. Screen material: SCH, 40 PVC
a. Screen type: Factory cut ☐ 11 Continuous slot ☒ 01 _____ Other ☐ __
b. Manufacturer Johnson
c. Slot size: 0.010 in.
d. Slotted length: 15 ft.
11. Backfill material (below filter pack): _____ None ☒ 14 Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: _____ Firm: ARCADIS, 126 N. Jefferson Street, Milwaukee, WI (414) 276-7742

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 293, 295, and 299, Wis. Stats, and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

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State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ ____________

MONITORING WELL CONSTRUCTION
Form 4400-113A 7/98

Facility/Project Name: Madison-Kipp	Local Grid Location of Well: ______ ft. ☐ N. ☐ S. ______ ft. ☐ E. ☐ W.	Well Name: GWE-1
Facility License, Permit or Monitoring Number	Local Grid Origin: Lat. ______ Long ______ or St. Plane 400212.55 ft. N, 2144156.97 ft. E	Wis. Unique Well Number: VN148 / DNR Well Number
Facility ID: 113125320	Section Location of Waste/Source: __1/4 of ____ 1/4 of Sec.____ T.____ N,R ____ ☒ E. ☐ W.	Date Well Installed: 01/09/2014
Type of Well: Extraction Well Well Code ____/____	Location of Well Relative to Waste/Source: ☐ Upgradinet ☐ Downgradient ☐ Sidegradient ☐ Not Known	Well Installed by: Name (first, last) and Firm: Todd Schmalfeldt, Cascade Drilling
Distance from Waste/Source ______ ft. / Enf. Stds. Apply ☐		

A. Protective pipe, top elevation 867.62 ft. MSL

B. Well casing, top elevation 866.63 ft. MSL

C. Land surface elevation 867.62 ft. MSL

D. Surface seal, bottom 865.62 ft MSL or 2 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☒ 50
Hollow Stem Auger ☐ 41
____________ Other ☐ __

15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1
Drilling Mud ☒ 0 3 None ☐ 9 9

16. Drilling additives used? ☒ Yes ☐ No

Describe Quik Gel

17. Source of Water (attached analysis if required):
Fire Hydrant (County Water)

E. Bentonite seal, top 827.62 ft. MSL or 40.0 ft.

F. Fine sand, top ______ ft. MSL or ______ ft.

G. Filter pack, top 812.62 ft. MSL or 55.0 ft.

H. Screen joint, top 807.62 ft. MSL or 60.0 ft.

I. Well bottom 682.62 ft. MSL or 185.0 ft.

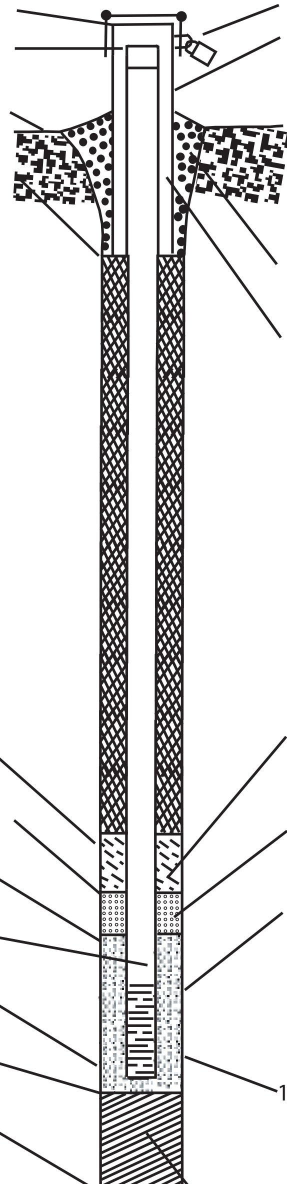
J. Filter pack, bottom 681.42 ft. MSL or 186.2 ft.

K. Borehole bottom 681.42 ft. MSL or 186.2 ft.

L. Borehole diameter 12.0 in.

M. O.D. well casing 8.63 in.

N. I.D. well casing 7.96 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 18 in.
b. Length: 1.5 ft.
c. Material: Steel ☒ 0 4
____________ Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____________

3. Surface seal: Bentonite ☐ 3 0
Concrete ☒ 0 1
Portland Cement Other ☐ __

4. Material between well casing and protective pipe:
Bentonite ☒ 3 0
Annular space seal ☐ __
____________ Other ☐ __

5. Annular space seal: a. Granular/Chipped Bentonite ☐ 3 3
b. ____ Lbs/gal mud weight......Bentonite-sand slurry ☐ 3 5
c. ____ Lbs/gal mud weight.............Bentonite-grout ☐ 3 1
d. 2 % Bentonite...........Bentonite-cement grout ☒ 5 0
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1
Tremie pumped ☒ 0 2
Gravity ☐ 0 8

6. Bentonite seal: a. Granular Bentonite ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. bentonite pellets ☒ 3 2
c. Sodium Bentonite Hole Plug Other ☐ __

7. Fine sand Material: Manufacturer, product name and mesh size
a. ____________ __
b. Volume added ______ ft^3

8. Filter pack material: Manufacturer, product name and mesh size
a. 111-185' #30 Red Flint (2,550 lbs); 55-111' #10 Red Flint (2,250 lbs)
b. Volume added ______ ft^3

9. Well casing: Flush threaded PVC schedule 40 ☐ 2 3
Flush threaded PVC schedule 80 ☒ 2 4
____________ Other ☐ __

10. Screen material: Stainless Steel
a. Screen type: Factory cut ☐ 1 1
Continuous slot ☐ 0 1
Continuous Wrap Stainless Steel Other ☒ __
b. Manufacturer Johnson
c. Slot size: 0.010 - 0.020 ____ in.
d. Slotted length: 53' - 62' ____ ft.
Slotted Depth: 60 to 113' bls - 113 to 185' bls

11. Backfill material (below filter pack): None ☐ 1 4
#30 Red Flint Other ☒ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [signature]	Firm ARCADIS 126 N. Jefferson Street Milwaukee, WI (414) 276-7742

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